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WORLDWIDE SURVEY OF NONMEDICAL DRUG USE AND ALCOHOL USE AMONG MILITARY PERSONNEL:1980

by:

Marvin R. Burt, D.P.A.
Mark M. Biegel, M.A.

with the assistance of:

Yukiko Carnes, M.A.
Edward C. Farley, M.S.W.

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BURT ASSOCIATES, INCORPORATED
4340 East West Highway
Suite 506
Bethesda, Maryland ~~20014~~
20814

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PREFACE AND ACKNOWLEDGEMENTS

This 1980 Worldwide Survey of Nonmedical Drug Use and Alcohol Use Among Military Personnel was conducted by Burt Associates, Incorporated, and its subcontractor, National Analysts, under the sponsorship and guidance of the Department of Defense (DOD). The survey was intended to provide a comprehensive, detailed, and accurate estimate of the prevalence of nonmedical drug use and alcohol use among the active duty military population worldwide and to provide information on the physical, social and work-related consequences of substance use in the population. Similar periodic surveys will be conducted in future years to determine the extent to which changes occur in the use of drugs and alcohol and to assess the impact of policy and program interventions.

Many dedicated individuals contributed to the success of this survey. Among DOD and Military Service personnel, special appreciation is extended to Brigadier General William C. Louisell for his overall support of the project and to Mr. James F. Holcomb for his assistance in coordinating the preliminary and final reports. Dr. John Lazaruk contributed substantially also in the initial conceptualization and procedural organization of the survey. The extensive coordination provided by the Service Liaison Officers, the on-site assistance and courtesies extended by the Base Liaison Officers, and the cooperation of the more than 15,000 servicemember participants, of course, were major factors leading to the successful completion of the project.

Several consultants made substantial contributions. Dr. Donald Cahalan advised on the technical aspects of the survey throughout the duration of the project and provided invaluable comments on the final report. Dr. Ira Cisin, Social Research Group, The George Washington University, provided invaluable comments on the final report and assisted in utilizing the data from the national survey of drug use in the civilian population sponsored by the National Institute on Drug Abuse. Dr. Walter Clark, Social Research Group, University of California, assisted in questionnaire development and provided constructive comments through his review of the report section on alcohol use. The authors and Burt Associates, Incorporated are solely responsible for any errors.

Staff of National Analysts, under subcontract, contributed significantly to the sampling design and subsequent field work. Mr. Anthony M. Asmann deserves special credit for his work in developing the worldwide sample. Similarly, Dr. Lucy C. Wilson provided valuable assistance in the organization and training of the National Analysts Field Team Members.

Several staff members of Burt Associates, Incorporated contributed significantly to the project. Ms. Angela Elbin and Mrs. Rosa Frazier handled the complex logistical arrangements; Ms. Yukiko Carnes and Mr. Edward Farley were responsible for the data processing tasks, in consultation with American Managment Systems; and Ms. Phyllis Goodwin assured completion of the enormous typing and clerical requirements. Finally, the stalwart team members who braved the rigors of a worldwide field survey are to be congratulated for a job well done.

Marvin R. Burt
President

Mark M. Biegel
Project Director

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The major emphasis in this report is the analysis of worldwide Department of Defense (DOD) survey data for determining the prevalence and consequences of nonmedical drug use and alcohol use. Some additional analyses are provided for combined drug and alcohol use and dependency on drugs and alcohol.

In general, prevalence data are reported for nine drug types and three types of alcoholic beverages. Where possible, data are displayed by total DOD; by each Military Service; by pay grade categories E1-E5, E6-E9, O1-O3, and O4-O6; and by geographical region.[1]

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[1] The low number of respondents in pay grade W1-W4 made it necessary to limit presentation of data for this group to worldwide totals by Military Service.

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	REGION-SERVICE	SUBREGION-SERVICE	REGION-SERVICE	SUBREGION-SERVICE	REGION-SERVICE-PAY GRADE GROUPS				
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	REGION-SERVICE					REGION-SERVICE					REGION-SERVICE				
	TOTAL	CONUS	EUROPE	PACIFIC	OTHER	TOTAL	CONUS	EUROPE	PACIFIC	OTHER	TOTAL	CONUS	EUROPE	PACIFIC	OTHER
LAST USE	IV-1														
ANY USE	IV-2														
USE BY BEVERAGE															
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E1-E9						IV-47									

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			GENERAL	SELECTED	ANY	TIMES OCCURRED	WORK IMPAIRMENT
TOTAL	IV-70	IV-76		IV-78		IV-85	IV-87
E1-E5	IV-71			IV-79			IV-88
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I. INTRODUCTION

This worldwide survey was undertaken to provide estimates of the prevalence of nonmedical drug use and alcohol use among active duty personnel in the Military Services and to provide the Department of Defense (DOD), additionally, with related information on the effects or consequences of substance use on the servicemember's well-being and job performance. "Nonmedical drug use" is defined for the purpose of this survey, as the use of drugs for nonmedical purposes, that is, for highs, for thrills, to relax, to give insight, or for pleasure.

The findings presented in this report are based on the responses of 15,268 randomly selected military personnel to a self-administered anonymous questionnaire completed during the months of February through April of 1980. To place the results in prespective, comparisons are made between military and civilian subpopulations.[1]

This worldwide survey is significant not only because it provides detailed current estimates of the prevalence of drug and alcohol use but also because it can be systematically repeated and, thus, provide a baseline for examining future trends. Survey information, such as that provided in the report, can be used by the Department of Defense to assess the effectiveness of policies for the prevention of drug and alcohol abuse; to determine the need for reallocation of resources; to realign emphasis of program elements; or as a basis for targeting particular groups or geographical areas for special attention. Over time, repeated surveys could signal emerging problems and the impact of new policies, programs, or events.

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[1] Civilian data are extracted from the 1979 national survey sponsored by the National Institute on Drug Abuse.

Sample Design

The DOD stipulated that a sample be drawn of all active duty military personnel throughout the world from which reliable estimates of drug and alcohol use could be made with known degrees of error for each of the Military Services, for four pay grade groupings, and for three main geographical regions and "Other Locations." It was further stipulated that the response rate among sampled personnel be 80 percent or higher, without replacements.

Because of budgetary and time constraints, it was not possible to survey every servicemember in each of the over 300 locations throughout the world. These considerations dictated a design that sampled both personnel and locations by probability means. A stratified multistage probability sample was subsequently developed and implemented. Both sites and personnel were randomly selected. Differential personnel sampling rates were used to obtain sufficient sample sizes in the various respondent subgroups. Sample weighting procedures were applied to put the complete respondent sample into balance; these are described in Appendix A.

The final sample size designated for each Service by geographical region is shown in Table I-1. The sample was composed of 19,582 military personnel stationed at 81 installations.[1] As shown in Table I-2, the survey respondents were predominately male, white and between the ages of 18 through 25. As indicated also, the sample was representative of all DOD personnel, worldwide, with respect to the characteristics shown. The population represented by the sample is depicted in Appendix B.

At each survey site, a random sample was drawn from the most current listing of all personnel assigned to the installation.[2] The random selection was made from all personnel in pay grades E1 through O6 of the one designated Service permanently assigned to organizations included in the specified installation. The last two digits of the individual's Social Security Account Number were used as the device for random selection of the respondents. Not included in the population base from which a sample was drawn were those personnel in recruit or basic training and those personnel in units known or expected to be at sea or deployed away from the installation at the time of the questionnaire administration. Personnel selected for the sample could be

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[1] An installation was composed of all permanent parent and tenant units at a base, post, camp, station or ships in a designated location.

[2] The detailed sample selection procedures were designed to accommodate unique Service personnel accounting systems and local capabilities to produce the random sample.

TABLE I-1

SAMPLE ALLOCATION

REGION	NO. SITES	SAMPLE
ARMY	(19)	(6,239)
CONUS	8	3,026
EUROPE	4	1,320
PACIFIC	5	1,548
OTHER	2	345
NAVY	(30)	(5,202)
CONUS	17	3,202
EUROPE	5	600
PACIFIC	7	1,174
OTHER	1	226
MARINE CORPS	(10)	(2,861)
CONUS	7	1,917
PACIFIC	3	944
AIR FORCE	(22)	(5,280)
CONUS	11	2,464
EUROPE	5	1,066
PACIFIC	5	1,284
OTHER	1	466
TOTAL	(81)	(19,582)
CONUS	43	10,609
EUROPE	14	2,986
PACIFIC	20	4,950
OTHER	4	1,037

TABLE I-2

DEMOGRAPHIC CHARACTERISTICS OF SURVEY RESPONDENTS AND ALL DOD MILITARY PERSONNEL

(PERCENTAGE OF POPULATION)

CHARACTERISTIC	TOTAL SURVEY	DOD ACTUAL[1]
SEX		
MALE	91	92
FEMALE	9	8
RACE/ETHNIC		
WHITE/CAUCASIAN	71	73
AFRO AMERICAN/BLACK	18	19
HISPANIC	5	4
ORIENTAL/ASIAN/PACIFIC ISLANDER	3	1
AMERICAN INDIAN/ALASKAN NATIVE	1	2
OTHER	2	1
MARITAL STATUS		
MARRIED	53	52
NOT MARRIED	47	48
AGE		
17 OR UNDER	1	1
18-25	55	56
26-29	15	14
30-34	13	13
35-39	10	10
40 OR OVER	6	6

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[1] MARCH 1980: DEFENSE MANPOWER DATA CENTER.

excused from questionnaire administration only for the following authorized reasons:

- on leave from the parent organization
- on temporary duty away from the installation
- absent without leave
- assigned a permanent change of station
- separated from the Service

Absences for any other reason were designated as "no-shows."

It is well known that a survey based on samples of a population can only approximate the level of accuracy that would be obtained if it were possible for the entire population to participate in the survey. Because of this, there is a need to know the precision of the estimates from a particular sample survey. The 95 percent confidence limits for any percentage estimate reported in this volume are provided in Appendix C. These confidence limits are particularly important where estimates are given for subgroups of the population. The reader should be aware that those subgroups with relatively few cases will have relatively greater margins of error than those subgroups with a larger number of respondents. This notably includes subgroups of officers and warrant officers. Regional data on officers should be viewed with particular caution because of the small number of respondents in those subgroups. The number of respondents in each subgroup is depicted in Appendix D.

Instrumentation

The questionnaire developed for this survey was in an optical-scan format and designed to be anonymously self-administered, as specified by DOD. Questions were multiple choice. Some items were adapted from previous DOD and civilian surveys for the purpose of conducting comparative analyses of data from this and other surveys.

The instrument was intended to elicit responses that would provide a basis for estimating the prevalence and consequences of nonmedical drug use and alcohol use. Items generally focused on the frequency and amount of use, reasons associated with use or non-use, and the consequences of use in terms of adverse effects on the individual's well-being and job performance. Scales and/or items for estimating dependency on the different substances were included. Alcohol items included beer, wine and hard liquor. The nine drug types used are listed below, together with verbatim examples from the questionnaire:

DRUG	EXAMPLE
Marijuana	"Pot," "Grass"
Hashish	"Hash"
PCP	"Angel Dust"
Other Hallucinogens	LSD, Mescaline, Peyote, STP, DOM, DMT, Psilocybin
Cocaine	"Coke," "Snow"
Amphetamines	Benzedrine, "Bennies," Methadrine, Dexedrine, "Speed"
Other Uppers	Preludin, Ritalin, Sandrex

Tranquilizers	Valium, Librium, Miltown
Barbiturates	Seconal (reds), Nembutal (yellows), Amytal (blues)
Other Downers	Quaalude (Sopors), Optimil, Doriden, Placidyl, Methaqualone
Heroin	"Smack," "Scag," "Horse"
Other Opiates	Morphine, Opium, Demerol, Codeine, Methadone

Also included were items on the demographic and service-related characteristics of the individual respondents. The demographic items covered age, sex, weight, educational level, marital status and racial/ethnic group. Items concerning Military Service included identification of Service affiliation, pay grade, occupational specialty code, amount of active duty time, type of duty, current military environment, career intentions and job satisfaction.

A pretest of the questionnaire was conducted at one military installation to determine the adequacy of the overall and item formats, the comprehensiveness of substantive content, the time required to complete the questionnaire, and the usefulness of the administration procedures. Pretest respondents were personally interviewed about their reactions to the questionnaire instructions, the format and the substantive content as well as their reading comprehension. Subsequently, the pretest responses to each questionnaire were reviewed for item completion rate and proper recording of responses. Some minor changes in format were made as a result of the pretest. A more comprehensive list of examples of drug types was devised and revisions were made in the content of several response categories. The questionnaire was then printed in an optical-scan format to be used in a Pilot Test.

Pilot Test

The Pilot Test was designed to determine the adequacy of the questionnaire and the field procedures and to provide data for determining the validity of responses to sensitive items. The validity issue was particularly crucial. The accuracy of the survey findings on substance use obviously rested on the respondents' willingness to acknowledge any nonmedical use of drugs or their use of or dependency on alcohol. And, obviously, users would be less likely to be honest if they feared such admissions would be made public and subsequently adversely affect their job performance evaluations or career advancement potentials or even result in prosecution. It was imperative that BAI's stringent procedures to protect anonymity be carefully tested to determine whether respondents indeed felt protected enough to respond candidly to items related to substance use. Of course, each item on substance use needed to be examined for clarity, since a commonly misunderstood question would result in invalid answers.

The Pilot Test was conducted at four military installations in the eastern continental United States. Each of the Military Services was represented in the sample of respondents (n= 1,284). Upon completion of the questionnaire, 10 percent of the respondents were randomly selected for interviews conducted by the BAI Field Team. These interviews provided information about the clarity of the optical-scan formatting and the content of the questionnaire, about the administrative procedures associated with the selection and attendance of the participants, and about the participants' reactions to sensitive items and assurances of anonymity and confidentiality. A major aspect of the Pilot Test was an evaluation of the field procedures developed for the survey and published in a Field Manual. Included were instructions for the selection of the installation sample and the actions necessary to provide the support for administration of the questionnaire. The opportunity to test these procedures proved quite valuable in exposing certain problems associated with the capability of local commands to draw an adequate sample. These problems were corrected by a change in the Field Manual which provided specific instructions for local sample selection based on each Military Service's personnel accounting system capability.

The 1,284 completed questionnaires were analyzed to provide information on the validity of the responses. The results provided some direct evidence that responses to drug use were generally valid. A high percentage of the respondents admitted to drug use and the overwhelming majority of those who did so were in pay grades E1-E5--the group considered to be at high risk. More convincingly, comparisons of the responses of those who said they used drugs "frequently" or "sometimes" with the reported results on consequences of drug use showed substantial consistency between the two types of data. A more detailed discussion of response validity is presented in Appendix E.

On the basis of the Pilot Test results, the questionnaire and field procedures were revised and put into final form for the worldwide survey.

Field Procedures

The survey was conducted during the months of February, March, and April of 1980. These months were chosen in order to avoid holiday seasons, high peak transfer seasons, and vacation periods. A few minor delays were encountered because of troop deployment, emergency operations, unit exercises, or other conflicting schedules.

Work in the field proceeded in several steps. First, of course, was the sampling of respondents; this was conducted at each site by a designated Base Liaison Officer (BLO) using the sampling procedures specified by BAI. Prior to the questionnaire administration sessions, the BLO also assumed the following responsibilities:

- Arranging for the facilities to be used for questionnaire administration sessions.
- Development of the time schedule for each session.
- Compilation of a roster containing the names of the selected respondent group for each session.
- Arrangements for respondent attendance.
- Provisions for security of the questionnaires.
- Schedules for make-up sessions.

Upon the arrival of the BAI Field Team at the survey site, the BLO provided them with the questionnaire administration schedule, rosters of personnel selected for each session, and a master list of the entire sample population. In addition, the BLO made available a Sampling Summary Sheet which displayed both the installation population and the sample selected (each by number and percentage in five pay grade groups). Installation population characteristics were further documented for the BAI Field Team in terms of age, sex, education, and marital status.

Subsequently, the questionnaire sessions were conducted by a BAI Field Team trained to ensure the integrity of the administration process. Two Field Team Members were present at each site. No military personnel assisted in these sessions, which were conducted during regular working hours. As each session was initiated, a Field Team Member checked off each sampled individual's name on the roster, prior to the participant's entry into the questionnaire administration facility. Once a session began, a questionnaire was distributed to each participant. The BAI proctor then read an introductory statement that described the purpose of the survey, provided assurances of confidentiality of responses, and cautioned participants not to place any personal identification information on the questionnaire form. The proctor then asked participants to read the first page of the questionnaire; this documented the voluntary nature of participation in the survey and provided instructions for responding to the questions. Any questions that the participants had about the survey were answered by BAI representatives during this introductory period; no questions were permitted during the time participants were responding to the self-administered questionnaire.

Sampled respondents who were listed as "not present" at a scheduled session were required to be accounted for with a notation on the roster by the BLO, following the BLO's inquiry with the individual's unit. Make-up sessions were instituted for all sampled personnel who had no legitimate reason for failing to appear at a scheduled session. Before their departure from the installation, the BAI Field Team Members were given a copy of all session rosters and the master list of selected participants that was annotated to indicate the reasons for exclusions and "no-shows."

Completed questionnaires were secured by the BAI representatives after each session and all questionnaires then were sent directly to the optical-scan processing center. Before leaving the installation, the BAI Field Team Members mailed a Site Visit Report to the Project Director that described the arrangements on site, attendance, problems and types of documentation received.

Survey Results

A response rate of 93 percent (respondents ÷ sampled personnel less official exclusions) was achieved; this resulted in 15,268 completed questionnaires. A complete description of the response rate and the number of respondents for each Service by pay grade and geographical region is given in Appendix F. The representativeness of the sample was demonstrated previously in Table I-2.

Comparability of Data

This report follows a comparative format, as required by the Department of Defense; that is, data are displayed for each of the Services with regard to drug and alcohol use and related factors. It is important to note, however, that substance abuse has been found to correlate generally with the following characteristics: (1) younger adult age, (2) being unmarried, (3) lower educational attainment, and (4) being male. Therefore, to the extent that a Service has a higher proportion of personnel with these characteristics, compared to another Service, it might be expected to have a higher proportion of substance abusers (assuming all other factors are equal). It would be possible to control for these characteristics and compute standardized comparisons among the Services. However, this was not the purpose of this study. The purpose was to present estimates for each individual Service; and this is precisely what was accomplished. For this reason, comparisons among the Services should be made with some caution; realizing that such comparisons are affected by the characteristics of personnel in each Service.

In contrast, the purpose of making comparisons of substance use among the military and civilian populations was precisely for the purpose of determining to what extent the prevalence among military personnel was equivalent to that of the civilian population, holding constant the characteristics of the military and civilian populations. This required controlling for the four factors discussed previously. The result of this procedure is comparative data that are unbiased with respect to those four factors.

Interpretation of The Findings

In any study of human behavior, there are usually several perspectives from which the implications of the findings may be seen, depending to a considerable extent upon the relevance of the issue to the person interpreting the findings. This possibility of controversy in interpretation is obviously relevant to this report.

This report is intended to present an objective description of the behavior of military personnel with respect to nonmedical drug use and alcohol use and the consequences of such use while avoiding expressing any implication that the behavior is necessarily "very bad" or "not so bad." The analyses are presented in sufficient detail so that such evaluative interpretations can be made by those responsible for policy and performance assessment within the Department of Defense.

II. SUMMARY

This summary reflects the principal findings of the survey. Considerably more detailed analyses are in Chapters III, IV, and V.

Drug Use

Prevalence of Nonmedical Drug Use

The percentage of the military population using each of nine types of drugs nonmedically is depicted in Table II-1; the types of drugs are ranked from highest to lowest prevalence. Two time periods are presented:

- any use during the past 30 days (i.e., current use) and;
- any use during the past 12 months (i.e., annual use).

The type of drug most commonly used for the DOD as a whole was marijuana or hashish; the prevalence of current use was 26 percent and annual use was 35 percent. There was very little difference between the prevalence of marijuana or hashish use and "any drug use." This indicates that nearly all nonmedical drug users used at least marijuana or hashish.

Nonmedical drug use by military personnel other than E1-E5's was comparatively rare (Tables II-2 and II-3). Current use for E6-O6's was no more than 1 percent for any type of drug other than marijuana or hashish and the prevalence of marijuana or hashish use for these personnel was

TABLE II-1

POPULATION USING EACH DRUG

(PERCENTAGE)

DRUG TYPE/ USE PERIOD	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ANY DRUG USE					
PAST 30 DAYS	27	29	33	37	14
PAST 12 MONTHS	36	38	43	47	23
MARIJUANA/HASHISH					
PAST 30 DAYS	26	28	32	36	14
PAST 12 MONTHS	35	37	42	47	22
AMPHETAMINES OR OTHER UPPERS					
PAST 30 DAYS	6	6	10	8	3
PAST 12 MONTHS	13	12	19	19	6
COCAINE					
PAST 30 DAYS	4	4	7	8	1
PAST 12 MONTHS	11	10	17	19	5
HALLUCINOGENS (OTHER THAN PCP)					
PAST 30 DAYS	3	2	5	7	1
PAST 12 MONTHS	8	7	12	15	3
TRANQUILIZERS					
PAST 30 DAYS	2	2	3	2	1
PAST 12 MONTHS	6	5	9	7	2
BARBITURATES OR OTHER DOWNERS					
PAST 30 DAYS	2	3	3	3	1
PAST 12 MONTHS	6	6	8	9	3
OPIATES (OTHER THAN HEROIN)					
PAST 30 DAYS	1	2	2	2	+
PAST 12 MONTHS	4	4	5	6	1
PCP					
PAST 30 DAYS	1	1	1	3	+
PAST 12 MONTHS	4	4	5	10	1
HEROIN					
PAST 30 DAYS	1	1	1	+	+
PAST 12 MONTHS	2	3	1	1	+

+ LESS THAN HALF OF ONE PERCENT.

TABLE II-2

POPULATION USING EACH DRUG--BY PAY GRADE GROUP

(PERCENTAGE)

DRUG TYPE/ USE PERIOD	TOTAL DOD	PAY GRADES				
		E1-E5	E6-E9	W1-W4	01-03	04-06
ANY DRUG USE						
PAST 30 DAYS	27	38	5	3	4	1
PAST 12 MONTHS	36	50	9	4	9	2
MARIJUANA/HASHISH						
PAST 30 DAYS	26	37	4	3	3	1
PAST 12 MONTHS	35	49	9	3	8	1
AMPHETAMINES OR OTHER UPPERS						
PAST 30 DAYS	6	9	1	0	+	+
PAST 12 MONTHS	13	19	2	0	1	+
COCAINE						
PAST 30 DAYS	4	7	+	0	+	0
PAST 12 MONTHS	11	17	1	2	+	+
HALLUCINOGENS (OTHER THAN PCP)						
PAST 30 DAYS	3	5	+	0	+	0
PAST 12 MONTHS	8	12	1	0	+	+
TRANQUILIZERS						
PAST 30 DAYS	2	3	+	0	+	0
PAST 12 MONTHS	6	8	1	+	1	+
BARBITURATES OR OTHER DOWNERS						
PAST 30 DAYS	2	3	+	0	+	0
PAST 12 MONTHS	6	8	1	0	1	0
OPIATES (OTHER THAN HEROIN)						
PAST 30 DAYS	1	2	+	0	+	0
PAST 12 MONTHS	4	5	+	0	+	+
PCP						
PAST 30 DAYS	1	1	+	0	0	0
PAST 12 MONTHS	4	6	+	0	+	0
HEROIN						
PAST 30 DAYS	1	1	+	0	0	0
PAST 12 MONTHS	2	2	+	0	0	+

+ LESS THAN HALF OF ONE PERCENT.

TABLE II-3

POPULATION OF E1-E5'S USING EACH DRUG BY SERVICE

(PERCENTAGE)

DRUG TYPE/ USE PERIOD	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ANY DRUG USE					
PAST 30 DAYS	38	41	48	48	21
PAST 12 MONTHS	50	53	59	61	33
MARIJUANA/HASHISH					
PAST 30 DAYS	37	40	47	47	20
PAST 12 MONTHS	49	52	58	60	32
AMPHETAMINES OR OTHER UPPERS					
PAST 30 DAYS	9	8	15	10	4
PAST 12 MONTHS	19	17	28	25	9
COCAINE					
PAST 30 DAYS	7	6	11	10	2
PAST 12 MONTHS	17	15	25	26	8
HALLUCINOGENS (OTHER THAN PCP)					
PAST 30 DAYS	5	3	7	10	2
PAST 12 MONTHS	12	10	18	21	5
TRANQUILIZERS					
PAST 30 DAYS	3	3	4	3	1
PAST 12 MONTHS	8	8	13	9	3
BARBITURATES OR OTHER DOWNERS					
PAST 30 DAYS	3	4	5	4	1
PAST 12 MONTHS	8	8	12	11	4
OPIATES (OTHER THAN HEROIN)					
PAST 30 DAYS	2	2	2	2	1
PAST 12 MONTHS	5	6	7	7	2
PCP					
PAST 30 DAYS	1	2	2	4	+
PAST 12 MONTHS	6	6	7	13	1
HEROIN					
PAST 30 DAYS	1	2	1	+	+
PAST 12 MONTHS	2	4	2	1	1

+ LESS THAN HALF OF ONE PERCENT.

not large. This pattern is undoubtedly a reflection of the younger age of junior enlisted personnel compared to personnel in other pay grade groups. In view of these patterns of nonmedical drug use, the remaining analyses of drug prevalence and consequences in this chapter focus solely on the junior enlisted group.

One-half of the E1-E5's reported using marijuana or hashish at least once during the past 12 months; 37 percent reported use during the past 30 days. As indicated previously, the slight differences between any drug use and marijuana or hashish use indicate that nearly all nonmedical drug users used at least marijuana or hashish. The patterns of use by E1-E5's in terms of the rank ordering of drug types from highest to lowest prevalence was the same as shown in Table II-1 for all DOD personnel; but, of course, the rates for E1-E5's are higher. Similarly, the patterns of use among the E1-E5's in the different Services are similar to those for all DOD personnel but, again, their rates are higher.

Drug Dependency

It is estimated that 3 percent of DOD junior enlisted personnel were physiologically drug dependent and that a total of 4 percent were physiologically or psychologically drug dependent at some time during the preceding 12 months. The percentage of E1-E5's who were drug dependent is depicted in Table II-4. Drug dependency is defined in Chapter III.

TABLE II-4

DRUG DEPENDENCE
(PERCENTAGE OF E1-E5 POPULATION)

TYPE OF DEPENDENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
PHYSIOLOGICAL	3	4	3	4	1
PHYSIOLOGICAL AND/OR PSYCHOLOGICAL	4	5	4	5	1

Consequences of Drug Use

The respondents were asked to indicate whether each of two consequences of nonmedical drug use had occurred during the past 12 months. Table II-5 shows that 19 percent of the junior enlisted respondents reported suffering at least one of the consequences during the preceding 12 months.

TABLE II-5

SELECTED CONSEQUENCES OF DRUG USE
(PERCENTAGE OF E1-E5 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
USED MORE DRUGS THAN PLANNED	10	9	13	14	6
HIGH MORE THAN 1 DAY AT A TIME	17	16	22	24	9
TOTAL WITH EITHER OF THE TWO CONSEQUENCES	19	18	25	27	11

The respondents were also asked to indicate whether each of 15 physical, social or work consequences had occurred because of their use of drugs during the past 12 months. Ten percent of the junior enlisted personnel reported suffering at least one of the 15 consequences during that period (Table II-6).

Junior enlisted personnel who reported one or more of the 17 consequences[1] experienced them a median of three times.[2]

Work Impairment

Turning now to a more specific focus on work impairment because of drug use, four types of work impairment are considered: (1) "lowered performance," (2) "late for work or left early," (3) "did not come to work," and (4) "high while working."

The type of work impairment most frequently reported by junior enlisted personnel was "high while working" (19 percent); nearly one-half of the E1-E5 respondents indicating this had occurred reported experiencing this on 40 or more days during the preceding 12 months. Substantially lower proportions of E1-E5 respondents reported other work impairments, as shown in Table II-7, and nearly all of them also reported being "high while working."

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[1] This analysis combines both groups of consequences.

[2] A person experiencing consequences (say) three times could have experienced one consequence three times, three different consequences one time each, or another combination.

TABLE II-6

SPECIFIC CONSEQUENCES OF DRUG USE DURING PAST 12 MONTHS

(PERCENTAGE OF E1-E5 POPULATION)

CONSEQUENCES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	2	3	1	2	+
DIDN'T GET PROMOTED	3	4	3	5	1
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	3	3	3	5	1
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	4	5	4	5	2
ARRESTED FOR DRIVING AFTER USING DRUGS	1	2	1	2	1
ARRESTED FOR NON-DRIVING DRUG INCIDENT	4	4	4	6	2
INCARCERATED DUE TO DRUG USE	2	1	2	3	1
HURT IN ACCIDENT CONNECTED WITH DRUG USE	2	2	2	2	+
DRUG USE CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	1	1	2	2	1
SPOUSE THREATENED TO LEAVE	2	2	2	2	1
HIT SPOUSE OR CHILDREN	1	1	1	1	+
SPOUSE LEFT	1	1	1	1	+
ENTERED REHABILITATION OR TREATMENT PROGRAM	2	2	1	2	2
ATTENDED TRAINING OR EDUCATION PROGRAM	2	3	1	3	1
DETOXIFIED	1	1	1	1	+
TOTAL WITH ANY CONSEQUENCES[a]	10	11	13	15	5

[a] PERCENTAGE OF POPULATION REPORTING AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN ONE-HALF OF ONE PERCENT.

TABLE II-7

WORK IMPAIRMENT BECAUSE OF DRUG USE (PERCENTAGE OF E1-E5 POPULATION)

TYPE OF IMPAIRMENT	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE	10	12	15	13	3
LATE FOR WORK/LEFT EARLY	6	8	8	8	2
DID NOT COME TO WORK	4	6	4	5	1
HIGH WHILE WORKING	19	21	26	25	8
TOTAL WITH ANY IMPAIRMENT	21	22	28	28	9

Alcohol Use

Prevalence of Alcohol Use

The percentage of the population that drank any alcohol during the past 30 days is depicted in Table II-8. The principal point derived from these data is that most military personnel (83 percent) drank at least occasionally. In general, the highest prevalence of drinking any alcohol was recorded by senior officers, followed by junior officers and junior enlisted personnel, senior enlisted personnel and warrant officers.

For all respondents worldwide, beer was the most commonly consumed beverage; it was drunk by 73 percent of all military personnel at least once within the past 30 days,

TABLE II-8

POPULATION USING ALCOHOL DURING PAST 30 DAYS (PERCENTAGE)

PAY GRADE GROUP	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL WORLDWIDE	83	80	86	86	82
E1-E5	83	81	88	86	82
E6-E9	77	75	78	83	78
W1-W4	76	76	80	-	*
O1-O3	83	80	88	91	82
O4-O6	91	92	94	84	90

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

and by about one-fourth (26 percent) at least three times a week. Hard liquor (including mixed drinks) was consumed by about one-half of the respondents (51 percent) within the past 30 days, but only 8 percent drank hard liquor as often as three times a week. Wine was the least frequently consumed beverage. Only 35 percent of the military personnel had drunk any wine during the past 30 days, and only 4 percent had done so as often as three times a week.

Heavy Drinking

Two types of heavy drinking are defined for the purpose of this analysis: (1) consumption of eight or more drinks on a typical drinking day during the past 30 days and (2) consumption of eight or more drinks in a single day at least once a week during the past 12 months.[1] With respect to the first definition, Table II-9 shows that beer was the beverage that was heavily consumed by the most respondents.

TABLE II-9

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--WORLDWIDE TOTAL
(PERCENTAGE OF POPULATION)

BEVERAGE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
8-11 DRINKS	5	5	7	7	3
12 OR MORE DRINKS	3	3	5	4	1
WINE					
8-11 DRINKS	+	+	+	+	+
12 OR MORE DRINKS	1	1	1	1	1
HARD LIQUOR					
8-11 DRINKS	4	3	5	6	2
12 OR MORE DRINKS	2	2	3	2	1

+ LESS THAN HALF OF ONE PERCENT.

On a typical day in which beer was consumed, 8 percent drank eight or more drinks. Heavy drinking of wine was rarely reported, but heavy drinking of hard liquor was reported nearly as often as heavy drinking of beer; 6 percent of all respondents reported consuming eight or more drinks of hard liquor on a typical drinking day during the past 30 days. Heavy drinking was reported almost exclusively by enlisted personnel. Twelve percent of E1-E5's and 4 percent of E6-E9's worldwide reported heavy drinking of beer; only 1 percent of each enlisted group reported heavy drinking of wine. The comparable figures for hard liquor were: E1-E5's, 8 percent; E6-E9's, 3 percent. Only about 1 percent or less of each officer or warrant officer group worldwide reported heavy drinking of any beverage.

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[1] A drink is defined as one 12 ounce can, bottle, or glass of beer; one four ounce glass of wine; or one drink of hard liquor.

The preceding discussion was concerned with typical drinking during the past 30 days. Now we focus on the frequency that a person engages in heavy drinking during the past 12 months. Table II-10 shows that 21 percent of all respondents reported they had engaged in heavy drinking of beer at least once a week during the past 12 months; the comparable figures for wine and hard liquor were about 5 percent and 11 percent, respectively.

TABLE II-10

HEAVY DRINKERS[1]--WORLDWIDE TOTAL
(PERCENTAGE OF POPULATION)

BEVERAGE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER	21	22	25	28	13-14
WINE	5-6	8	5-6	7	3-4
HARD LIQUOR	11	12	14	13	7-8

[1] DEFINED AS A PERSON WHO DRANK EIGHT OR MORE CANS, GLASSES, OR DRINKS IN A SINGLE DAY AT LEAST ONCE A WEEK DURING THE PAST 12 MONTHS.

The worldwide patterns of heavy drinking by pay grade group are as described previously for typical drinking, but the rates are higher. Heavy drinking was rarely reported by officers or warrant officers. Twenty-eight percent of E1-E5's and about 10 percent of E6-E9's reported heavy drinking of beer; the comparable figures for wine were 8 percent and about 1 percent for E1-E5's and E6-E9's respectively. Fourteen percent of the E1-E5's and about 5 percent of E6-E9's reported heavy drinking of hard liquor.

Adverse Physiological Effects

There is compelling evidence that a person consuming a daily average of five ounces of ethanol during a year is at high risk of developing severe medical problems (e.g., cirrhotic or precirrhotic conditions; see Chapter IV). Based on this threshold of presumptive harm, 7.9 percent of all DOD respondents are at high risk. Table II-11 depicts the data by Service and pay grade group.

TABLE II-11

POPULATION AT HIGH RISK FOR SEVERE MEDICAL PROBLEMS
(PERCENTAGE)

PAY GRADE GROUP	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL	7.9	9.2	9.9	10.1	3.6
E1-E5	10.9	12.2	13.9	12.9	5.3
E6-E9	3.1	4.9	2.7	2.6	1.3
W1-W4	0.2	0	1.0	-	*
O1-O3	0.7	1.5	0.1	0.9	0.4
O4-O6	0.6	0	0	2.4	1.0

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

Alcohol Dependence

It is estimated that 7 percent of military personnel worldwide were alcohol dependent during the preceding 12 months (Table II-12). "Alcohol dependence" is defined in Chapter III of this report. Alcohol dependency occurred predominately among junior enlisted personnel (10 percent) and senior enlisted personnel (3 percent); it was rare among warrant officers and commissioned officers.

The patterns shown are quite consistent with the heavy drinking patterns discussed previously. This is to be expected because of the substantial correlation between heavy drinking and alcohol dependency.

TABLE II-12

ALCOHOL DEPENDENCE DURING PAST 12 MONTHS
(PERCENTAGE OF POPULATION)

PAY GRADE GROUP	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL	7	8	9	11	4
E1-E5	10	11	12	14	5
E6-E9	3	3	5	4	2
W1-W4	+	0	0	-	*
O1-O3	1	1	+	5	+
O4-O6	+	0	1	1	1

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.

Consequences of Alcohol Use

The respondents were asked to indicate whether each of two consequences of alcohol use had occurred during the past

12 months. Table II-13 shows that 23 percent of all respondents reported suffering at least one of the consequences.

TABLE II-13

SELECTED CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)

CONSEQUENCE/ PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BECAME DRUNK WITHOUT PLANNING TO	20	16	25	23	18
DRUNK MORE THAN ONE DAY AT A TIME	11	10	16	16	6
TOTAL WITH EITHER CONSEQUENCE	23	19	31	29	20

Junior enlisted personnel were the most likely to suffer at least one consequence, followed in turn by senior enlisted personnel, junior officers, senior officers, and warrant officers.

The respondents were also asked to indicate whether each of 15 physical, social, or work consequences had occurred because of their alcohol use during the past 12 months. Eleven percent reported suffering at least one of the 15 consequences during that period (Table II-14).

Among those who reported any of the 17 consequences[1] occurring, they had occurred a median of 3 times. Detailed data by pay grade group are in Chapter IV.

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[1] This analysis combines the two groups of consequences.

TABLE II-14

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS--TOTAL DOD
(PERCENTAGE OF POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	2	2	2	2	1
DID NOT GET PROMOTED	2	2	1	3	1
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	2	2	3	4	1
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	2	3	2	3	1
ARRESTED FOR DRIVING AFTER DRINKING	3	3	3	5	2
ARRESTED FOR NON DRIVING DRINKING INCIDENT	2	3	3	4	1
INCARCERATED DUE TO DRINKING	3	2	4	5	1
HURT IN ACCIDENT CONNECTED WITH DRINKING	2	2	4	4	1
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	2	2	3	3	1
SPOUSE THREATENED TO LEAVE	2	2	2	2	1
HIT SPOUSE OR CHILDREN	1	1	1	2	1
SPOUSE LEFT	1	1	+	1	+
ENTERED REHABILITATION OR TREATMENT PROGRAM	2	2	2	2	1
ATTENDED TRAINING OR EDUCATION PROGRAM	2	2	2	3	1
DETOXIFIED	1	1	1	1	+
TOTAL WITH ANY CONSEQUENCE 1/	11	11	14	17	6

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

Work Impairment

The percentage of the population reporting work impairment because of their alcohol use during the preceding 12 months is shown in Table II-15. "Lowered performance" was the type of work impairment most frequently reported; it was reported by 22 percent of all respondents and by 26 percent of the E1-E5's and this occurred a median of two to three times. The patterns of impairment by pay grade group are in the following rank order by percentage suffering impairment: E1-E5's, E6-E9's, O1-O3's, O4-O6's, and W1-W4's.

TABLE II-15

WORK IMPAIRMENT BECAUSE OF ALCOHOL USE DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)

IMPAIRMENT/ PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	22	19	30	29	17
E1-E5	26	23	34	32	19
E6-E9	17	13	22	22	14
W1-W4	9	4	12	-	*
O1-O3	15	12	28	20	10
O4-O6	10	7	8	14	14
LATE FOR WORK OR LEFT EARLY					
TOTAL	13	13	17	16	10
E1-E5	16	15	21	17	12
E6-E9	9	9	10	15	7
W1-W4	2	2	0	-	*
O1-O3	7	8	9	5	5
O4-O6	4	1	7	8	5
DID NOT COME TO WORK					
TOTAL	5	6	5	5	2
E1-E5	6	8	7	6	2
E6-E9	2	2	3	3	2
W1-W4	1	1	0	-	*
O1-O3	0	0	0	2	0
O4-O6	1	0	0	0	2
DRUNK/HIGH WHILE WORKING					
TOTAL	11	11	16	15	6
E1-E5	15	16	21	19	7
E6-E9	5	4	7	7	3
W1-W4	1	1	0	-	*
O1-O3	3	2	6	1	2
O4-O6	3	0	7	0	3
TOTAL WITH ANY IMPAIRMENT					
TOTAL	27	24	35	34	20
E1-E5	31	29	40	38	24
E6-E9	19	16	25	25	16
W1-W4	9	4	12	-	*
O1-O3	17	15	29	21	12
O4-O6	12	7	14	15	15

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
+ LESS THAN HALF OF ONE PERCENT.

Comparison of Drug and Alcohol Prevalence Among Military and Civilian Populations

This analysis is restricted to the subpopulations at highest risk for nonmedical drug use in both military and civilian populations: persons 18 through 25 years of age. The data have been standardized with respect to the variables that are most closely correlated with nonmedical drug use: sex, age, marital status, and education. Standardization with respect to these variables serves to provide prevalence rates that are not biased by the differences in occurrence of these characteristics in the two populations. The specific procedures employed to standardize the data are described in Appendix I. The limitations in this analysis are described in Chapter V.

Table II-16 shows the prevalence of nonmedical drug use among military personnel and comparable civilians, ages 18 through 25. Prevalence of current nonmedical drug use for military personnel is slightly lower or equal to civilian use for all drug types analyzed, with the exception of amphetamines or other uppers. Prevalence of annual use is lower for military personnel than civilians with respect to four drug types and higher than civilians for three drug types. There is, thus, no general pattern of nonmedical drug use being more prevalent for military personnel than civilians.

Regarding alcohol use, slightly higher proportions of military personnel than civilians drank at all during the past 30 days and the past year.

TABLE II-16

PREVALENCE OF NONMEDICAL DRUG USE
AND ALCOHOL USE AMONG MILITARY PERSONNEL
AND COMPARABLE CIVILIANS--AGES 18-25
(PERCENTAGE OF 18-25 YEAR OLD POPULATION)

TYPE	MILITARY (n= 8224)	COMPARABLE CIVILIANS[1] (n= 2022)
MARIJUANA/HASHISH		
PAST 30 DAYS	40	42
PAST 12 MONTHS	52	54
AMPHETAMINES OR OTHER UPPERS		
PAST 30 DAYS	10	4
PAST 12 MONTHS	21	12
COCAINE		
PAST 30 DAYS	7	10
PAST 12 MONTHS	18	23
HALLUCINOGENS		
PAST 30 DAYS	5	5
PAST 12 MONTHS	13	12
BARBITURATES OR OTHER DOWNERS		
PAST 30 DAYS	4	4
PAST 12 MONTHS	9	10
TRANQUILIZERS		
PAST 30 DAYS	3	3
PAST 12 MONTHS	9	12
HEROIN		
PAST 30 DAYS	1	1
PAST 12 MONTHS	3	1
ALCOHOL		
PAST 30 DAYS	84	82
PAST 12 MONTHS	93	90

[1] DATA STANDARDIZED WITH RESPECT TO SEX, AGE, MARITAL STATUS, AND EDUCATION. BASED ON SPECIAL TABULATIONS FROM THE 1979 NATIONAL SURVEY ON DRUG ABUSE.

III. NONMEDICAL DRUG USE

Prevalence of Drug Use

The military personnel responding were asked to indicate whether or not they had used one or more of nine different types of drugs nonmedically during the past 30 days and within the past 12 months. The results (i.e., percentage reporting use of a drug) are reported as prevalence rates for various respondent groups and for each of the two time frames. Use of a drug in the past 30 days is referred to as current use; annual use denotes usage within the past 12 months. Frequency of current use is also reported.

Marijuana or Hashish[1]

Current Use

Prevalence rates for marijuana or hashish use within the past 30 days appear in Table III-1 for all Services worldwide and for the different regions and pay grade groups.

Current Use - Worldwide

Twenty-six percent of the military personnel worldwide reported current use of marijuana or hashish. Worldwide rates by pay grade groups varied. The E1-E5 personnel reported the highest current use (37 percent). Only 4 percent

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[1] Reported usage may entail either or both of these drugs.

TABLE III-1

POPULATION USING MARIJUANA/HASHISH
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	27	29	34	39	14
E1-E5	39	41	48	51	21
E6-E9	5	6	6	5	3
01-03	3	5	2	6	2
04-06	1	0	0	0	1
EUROPE					
TOTAL	23	28	18	*	13
E1-E5	33	39	27	*	20
E6-E9	2	3	3	*	1
01-03	3	6	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	21	20	24	28	14
E1-E5	32	36	42	36	19
E6-E9	4	3	5	5	3
01-03	4	5	6	-	4
04-06	2	0	-	-	4
OTHER LOCATIONS					
TOTAL	22	29	21	*	13
E1-E5	32	38	33	*	19
E6-E9	4	8	3	*	0
01-03	4	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	26	28	32	36	14
E1-E5	37	40	47	47	20
E6-E9	4	5	6	5	2
W1-W4	3	5	0	-	*
01-03	3	5	2	5	2
04-06	1	0	0	2	1

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

of the E6-E9 pay grade group, 3 percent of the O1-O3 group and 1 percent of the O4-O6 group, worldwide, indicated they had used marijuana or hashish within the past 30 days.

Current Use - Regional and Sub-Regional

Rates of current use were higher in CONUS (27 percent) than in the overseas locations (Europe, 23 percent; Pacific, 21 percent; Other Locations, 22 percent). Sub-regional prevalence rates for 30 day marijuana or hashish use among the E1-E5 pay grade group are shown in Table III-2. (Sub-regional figures are merely further breakdowns of data presented previously.)

Among the E1-E5 personnel in Europe, those in Germany reported the highest current use of marijuana or hashish (36 percent). In the Pacific, the rate of current use among all E1-E5's was the highest in Hawaii (44 percent).

Annual Use

Prevalence rates for marijuana or hashish use during the past 12 months are shown in Table III-3 for all military personnel; corresponding figures for the E1-E5 pay grade group appear in Table III-4.

Annual Use - Worldwide

Rates of annual use worldwide were higher than the rates of current use of marijuana or hashish, as would be expected given the expanded time frame. Patterns of use, however, were similar in both time periods.

Worldwide, 35 percent of all military personnel reported

TABLE III-2

POPULATION OF E1-E5'S USING MARIJUANA/HASHISH DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	39	41	48	51	21
EAST	40	41	47	51	22
WEST	37	40	54	51	19
EUROPE					
TOTAL	33	39	27	*	20
GERMANY	36	39	*	*	21
ITALY	24	*	24	*	*
ENGLAND	18	*	-	*	18
SPAIN	23	*	33	*	19
PACIFIC					
TOTAL	32	36	42	36	19
HAWAII	44	48	51	44	17
JAPAN	25	19	31	32	15
KOREA	28	35	*	*	21
PHILIPPINES	28	*	33	*	25
GUAM	41	*	41	*	*
OTHER LOCATIONS					
TOTAL	32	38	33	*	19
PANAMA CANAL	33	33	*	*	*
ALASKA	31	43	*	*	19
GUANTANAMO BAY	33	*	33	*	*
TOTAL WORLDWIDE	37	40	47	47	20

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

TABLE III-3

POPULATION USING MARIJUANA/HASHISH
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	36	37	44	48	21
E1-E5	50	51	60	62	31
E6-E9	10	11	12	10	6
01-03	8	11	8	11	-
04-06	1	1	1	0	2
EUROPE					
TOTAL	34	38	27	*	24
E1-E5	47	53	40	*	36
E6-E9	4	5	9	*	1
01-03	8	12	5	*	2
04-06	0	-	0	*	0
PACIFIC					
TOTAL	32	29	32	42	25
E1-E5	47	49	54	55	33
E6-E9	7	7	9	7	5
01-03	6	10	6	-	6
04-06	3	2	-	-	10
OTHER LOCATIONS					
TOTAL	32	40	31	*	21
E1-E5	44	49	48	*	29
E6-E9	10	19	7	*	4
01-03	17	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	35	37	42	47	22
E1-E5	49	52	58	60	32
E6-E9	9	9	11	9	5
W1-W4	3	5	0	-	*
01-03	8	11	8	8	6
04-06	1	1	1	2	2

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-4

POPULATION OF E1-E5'S USING MARIJUANA/HASHISH DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	50	51	60	62	31
EAST	51	52	58	61	32
WEST	48	51	64	62	31
EUROPE					
TOTAL	47	53	40	*	36
GERMANY	50	53	*	*	37
ITALY	38	*	38	*	*
ENGLAND	38	*	-	*	39
SPAIN	34	*	43	*	30
PACIFIC					
TOTAL	47	49	54	55	33
HAWAII	57	60	63	58	31
JAPAN	43	32	45	54	28
KOREA	45	49	*	*	41
PHILIPPINES	38	*	48	*	31
GUAM	52	*	52	*	*
OTHER LOCATIONS					
TOTAL	44	49	48	*	29
PANAMA CANAL	44	44	*	*	*
ALASKA	41	54	*	*	29
GUANTANAMO BAY	48	*	48	*	*
TOTAL WORLDWIDE	49	52	58	60	32

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

use of marijuana or hashish within the past 12 months. Only 9 percent of the E6-E9 pay grade group, 8 percent of O1-O3's, and 1 percent of O4-O6's, worldwide, indicated they had used marijuana or hashish within the past 12 months.

Annual Use - Regional and Sub-Regional

The annual prevalence rate for the military personnel stationed in CONUS was higher (36 percent) than rates for personnel in overseas locations (Europe, 34 percent; Pacific, 32 percent; Other Locations, 32 percent).

The annual prevalence rates for use of marijuana or hashish among the E1-E5 enlisted personnel (Table III-4) were highest in the CONUS sub-regions. Fifty-one percent of the E1-E5 military personnel in CONUS-East reported using marijuana or hashish in the past 12 months compared to 48 percent of those in CONUS-West.

In Europe, E1-E5 respondents in Germany reported the highest annual use of marijuana or hashish (50 percent). Corresponding figures for E1-E5 personnel in the Pacific indicated that the annual usage was highest in Hawaii (57 percent).

Frequency of Current Use

The frequency of marijuana or hashish use within the past 30 days by Service and geographical region appears in Table III-5.

Worldwide, 19 percent of the military personnel reported they had used marijuana or hashish weekly or more frequently than weekly during the past 30 days.

TABLE III-5

FREQUENCY OF MARIJUANA/HASHISH USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	6	6	8	9	2
5-6 DAYS A WEEK	5	5	8	7	3
3-4 DAYS A WEEK	5	5	6	9	3
1-2 DAYS A WEEK	4	6	4	6	2
LESS THAN ONCE A WEEK	7	7	8	8	4
NOT AT ALL	72	70	65	61	86
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	3	4	2	*	2
5-6 DAYS A WEEK	4	5	4	*	2
3-4 DAYS A WEEK	5	7	4	*	2
1-2 DAYS A WEEK	4	5	2	*	2
LESS THAN ONCE A WEEK	7	4	7	*	5
NOT AT ALL	76	71	82	*	86
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	4	3	5	5	1
5-6 DAYS A WEEK	4	4	6	4	2
3-4 DAYS A WEEK	4	4	5	5	3
1-2 DAYS A WEEK	4	4	4	5	3
LESS THAN ONCE A WEEK	6	5	5	7	5
NOT AT ALL	79	79	76	74	86
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	5	10	3	*	1
5-6 DAYS A WEEK	5	7	3	*	4
3-4 DAYS A WEEK	4	3	5	*	3
1-2 DAYS A WEEK	4	6	3	*	2
LESS THAN ONCE A WEEK	5	5	7	*	4
NOT AT ALL	77	70	79	*	87
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	5	6	7	8	2
5-6 DAYS A WEEK	5	5	7	7	3
3-4 DAYS A WEEK	5	6	6	8	3
1-2 DAYS A WEEK	4	6	4	6	2
LESS THAN ONCE A WEEK	7	7	8	8	4
NOT AT ALL	74	71	67	64	86

* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

Weekly or more frequent use of marijuana or hashish was slightly more prevalent among respondents in CONUS (20 percent) than among those in overseas locations (Europe, 16 percent; Pacific, 16 percent; Other Locations, 18 percent). Figures on frequency of use by pay grade group and geographical region appear in Tables III-6 to III-9; caution should be applied when interpreting the rates shown for the officer groups because of the small number of respondents.

PCP Use

Current Use

Prevalence rates for PCP use within the past 30 days are shown in Table III-10 for each Service and by geographical region and pay grade group.

Current Use - Worldwide

Worldwide, 1 percent of the military personnel reported having used PCP within the past 30 days. The rates in the various pay grade group were: E1-E5, 1 percent; E6-E9, <0.5 percent; officer groups, 0 percent.

Current Use - Regional and Sub-Regional

Current use rates for all DOD personnel were minor; rates for each region were 1 percent or less.

Sub-regional rates among the E1-E5 pay grade groups (Table III-11) show that current use of PCP was most prevalent in CONUS-East (2 percent versus 1 percent or less in other sub-regions).

TABLE III-6

FREQUENCY OF MARIJUANA/HASHISH USE
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	9	9	11	12	3
5-6 DAYS A WEEK	8	8	11	10	4
3-4 DAYS A WEEK	8	8	9	11	5
1-2 DAYS A WEEK	6	8	6	8	3
LESS THAN ONCE A WEEK	9	9	11	10	6
NOT AT ALL	60	57	51	49	79
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	2	+	0
5-6 DAYS A WEEK	+	+	1	0	+
3-4 DAYS A WEEK	+	+	+	2	0
1-2 DAYS A WEEK	1	1	1	+	1
LESS THAN ONCE A WEEK	2	2	2	3	1
NOT AT ALL	95	95	94	95	97
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	0
5-6 DAYS A WEEK	+	0	+	4	0
3-4 DAYS A WEEK	1	2	0	0	1
1-2 DAYS A WEEK	+	+	+	1	0
LESS THAN ONCE A WEEK	2	2	2	1	2
NOT AT ALL	97	95	98	94	98
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	1	0	0	0	1
NOT AT ALL	99	100	100	100	99

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-7

FREQUENCY OF MARIJUANA/HASHISH USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	5	5	2	*	3
5-6 DAYS A WEEK........	6	7	6	*	3
3-4 DAYS A WEEK........	8	9	6	*	4
1-2 DAYS A WEEK........	6	8	3	*	3
LESS THAN ONCE A WEEK..	10	10	10	*	8
NOT AT ALL.............	66	60	73	*	80
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	1	0	*	0
5-6 DAYS A WEEK........	+	0	1	*	1
3-4 DAYS A WEEK........	+	+	0	*	0
1-2 DAYS A WEEK........	+	+	0	*	0
LESS THAN ONCE A WEEK..	1	1	2	*	+
NOT AT ALL.............	98	97	97	*	99
O1-O3					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	+	0	3	*	0
3-4 DAYS A WEEK........	2	3	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	2	3	0	*	0
NOT AT ALL.............	96	94	97	*	100
O4-O6					
TOTAL..................	100	-	100	*	100
EVERY DAY..............	0		0	*	0
5-6 DAYS A WEEK........	0		0	*	0
3-4 DAYS A WEEK........	0		0	*	0
1-2 DAYS A WEEK........	0		0	*	0
LESS THAN ONCE A WEEK..	0		0	*	0
NOT AT ALL.............	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-8

FREQUENCY OF MARIJUANA/HASHISH USE
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	5	5	9	7	2
5-6 DAYS A WEEK	6	7	10	5	3
3-4 DAYS A WEEK	6	7	9	6	4
1-2 DAYS A WEEK	6	7	6	7	3
LESS THAN ONCE A WEEK	8	9	9	9	7
NOT AT ALL	68	64	58	66	81
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	2	0
5-6 DAYS A WEEK	1	+	1	1	0
3-4 DAYS A WEEK	1	+	1	0	0
1-2 DAYS A WEEK	1	1	1	0	2
LESS THAN ONCE A WEEK	1	2	1	1	0
NOT AT ALL	96	97	95	95	98
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	1	0	2		0
5-6 DAYS A WEEK	1	2	1		0
3-4 DAYS A WEEK	1	1	1		2
1-2 DAYS A WEEK	1	1	3		1
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	96	95	94		96
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	+	0			2
3-4 DAYS A WEEK	1	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	1	0			2
NOT AT ALL	98	100			96

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-9

FREQUENCY OF MARIJUANA/HASHISH USE DURING PAST 30 DAYS--REGION: OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	8	13	5	*	2
5-6 DAYS A WEEK	8	10	6	*	5
3-4 DAYS A WEEK	5	3	7	*	4
1-2 DAYS A WEEK	5	8	4	*	3
LESS THAN ONCE A WEEK	7	6	12	*	5
NOT AT ALL	67	60	66	*	81
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	1	3	0	*	0
1-2 DAYS A WEEK	2	4	1	*	0
LESS THAN ONCE A WEEK	2	3	1	*	0
NOT AT ALL	95	89	97	*	100
O1-O3					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	4			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	96			*	
O4-O6					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-10

POPULATION USING PCP
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1	1	1	3	+
E1-E5	2	2	2	4	+
E6-E9	+	+	+	0	0
01-03	0	0	0	0	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	1	1	+	*	+
E1-E5	1	1	+	*	+
E6-E9	0	0	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	1	1	1	1	0
E1-E5	1	1	1	2	0
E6-E9	0	0	0	0	0
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	+	+	0	*	0
E1-E5	0	0	0	*	0
E6-E9	+	1	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	1	1	1	3	+
E1-E5	1	2	2	4	+
E6-E9	+	+	+	0	0
W1-W4	0	0	0	-	*
01-03	0	0	0	0	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-11

POPULATION OF E1-E5'S USING PCP
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	2	2	2	4	+
EAST	2	2	2	5	1
WEST	1	1	2	4	*
EUROPE					
TOTAL	1	1	+	*	+
GERMANY	1	1	*	*	1
ITALY	+	*	+	*	*
ENGLAND	0	*	-	*	0
SPAIN	0	*	0	*	0
PACIFIC					
TOTAL	1	1	1	2	0
HAWAII	1	0	2	2	0
JAPAN	1	0	1	1	0
KOREA	1	2	*	*	0
PHILIPPINES	0	*	0	*	0
GUAM	0	*	0	*	*
OTHER LOCATIONS					
TOTAL	0	0	0	*	0
PANAMA CANAL	0	0	*	*	*
ALASKA	0	0	*	*	0
GUANTANAMO BAY	0	*	0	*	*
TOTAL WORLDWIDE	1	2	2	4	*

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.

Annual Use

Prevalence rates for PCP use within the past 12 months are presented in Tables III-12 and III-13.

Annual Use - Worldwide

Annual rates for use of PCP worldwide exceeded those for current use, but patterns of usage remained similar among the pay grade groups and regions.

Worldwide, 4 percent of the military personnel reported use of PCP during the past 12 months. Less than one-half of 1 percent of the E6-E9 groups and the officer groups, worldwide, indicated they had used PCP within the past 12 months.

Annual Use - Regional and Sub-Regional

Annual use rates for PCP were slightly higher for DOD personnel in CONUS (4 percent) than for those in overseas locations (Europe and the Pacific, each 3 percent; Other Locations, 2 percent).

Sub-regional rates for the E1-E5 pay grade group (Table III-13) show that annual use of PCP was most prevalent in three sub-regions: CONUS-East (7 percent); CONUS-West (6 percent); and Pacific-Guam (6 percent).

Frequency of Current Use

Less than 1 percent of the military personnel worldwide reported they had used PCP weekly or more often than weekly within the past 30 days (Table III-14). Similar figures appeared by pay grade groups and geographical regions (Tables III-15 through III-18).

TABLE III-12

POPULATION USING PCP DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	4	4	5	11	1
E1-E5	7	7	8	15	2
E6-E9	+	+	1	0	0
01-03	0	0	0	0	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	3	4	2	*	1
E1-E5	4	6	2	*	1
E6-E9	0	0	0	*	0
01-03	2	3	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	3	2	3	5	1
E1-E5	4	3	5	7	1
E6-E9	+	+	0	1	0
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	2	2	1	*	1
E1-E5	2	3	2	*	1
E6-E9	+	1	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	4	4	5	10	1
E1-E5	6	6	7	13	1
E6-E9	+	+	+	+	0
W1-W4	0	0	0	-	*
01-03	+	1	0	0	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-13

POPULATION OF E1-E5'S USING PCP DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	7	7	8	15	2
EAST	7	7	8	15	2
WEST	6	7	8	15	1
EUROPE					
TOTAL	4	6	2	*	1
GERMANY	5	6	*	*	2
ITALY	3	*	3	*	*
ENGLAND	1	*	-	*	1
SPAIN	+	*	1	*	0
PACIFIC					
TOTAL	4	3	5	7	1
HAWAII	5	4	5	8	0
JAPAN	5	1	6	7	2
KOREA	3	4	*	*	2
PHILIPPINES	+	*	1	*	0
GUAM	6	*	6	*	*
OTHER LOCATIONS					
TOTAL	2	3	2	*	1
PANAMA CANAL	1	1	*	*	*
ALASKA	3	5	*	*	1
GUANTANAMO BAY	2	*	2	*	*
TOTAL WORLDWIDE	6	6	7	13	1

- - LESS THAN 30 RESPONDENTS.
- + LESS THAN HALF OF ONE PERCENT.
- * NOT APPLICABLE.

TABLE III-14

FREQUENCY OF PCP USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	+	1	0
LESS THAN ONCE A WEEK	1	1	1	2	+
NOT AT ALL	99	99	99	96	100
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	+	0	+	*	0
1-2 DAYS A WEEK	+	1	+	*	0
LESS THAN ONCE A WEEK	+	1	+	*	0
NOT AT ALL	99	99	100	*	100
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	0	*	0
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	+	+	+	1	+
NOT AT ALL	99	99	99	99	100
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	+	0	*	0
NOT AT ALL	100	100	100	*	100
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	+	1	0
LESS THAN ONCE A WEEK	1	+	1	2	+
NOT AT ALL	99	99	99	97	100

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-15

FREQUENCY OF PCP USE
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	1	+	+	+
1-2 DAYS A WEEK	+	+	1	2	0
LESS THAN ONCE A WEEK	1	1	1	3	+
NOT AT ALL	98	98	98	95	100
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	+	0	+	0	0
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	+	0	+	0	0
NOT AT ALL	100	100	100	100	100
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-16

FREQUENCY OF PCP USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	+	0	1	*	0
1-2 DAYS A WEEK	1	1	+	*	0
LESS THAN ONCE A WEEK	+	1	+	*	0
NOT AT ALL	99	98	99	*	100
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	+	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-17

FREQUENCY OF PCP USE
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	0
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	0	0	0
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	1	+	1	1	+
NOT AT ALL	99	99	99	98	100
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	100	100	100		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-18

FREQUENCY OF PCP USE
DURING PAST 30 DAYS--REGION: OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	1	0	*	0
NOT AT ALL	100	99	100	*	100
O1-O3					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	
O4-O6					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Use of Hallucinogens

Current Use

Prevalence rates for current use of hallucinogens (other than PCP) appear in Table III-19 for the different Services, regions and pay grade groups.

Current Use - Worldwide

Worldwide, 3 percent of the DOD personnel and 5 percent of E1-E5's reported they had used hallucinogens within the past 30 days. Less than one-half of 1 percent of the E6-E9 group and the officers, worldwide, indicated they had used hallucinogens within the past 30 days.

Current Use - Regional and Sub-Regional

Current use of hallucinogens was reported by a larger proportion (4 percent) of the military personnel in CONUS than by those in overseas locations (Europe and the Pacific, each 2 percent; Other Locations, 1 percent).

Among the E1-E5 group, current use of hallucinogens was slightly more prevalent in CONUS-West than in any other sub-region (Table III-20). Six percent of this pay grade group in CONUS-West reported use of hallucinogens within the past 30 days; figures for E1-E5's in CONUS-East, Hawaii and Japan were similar (each 5 percent).

Annual Use

Prevalence rates for use of hallucinogens within the past 12 months among the various groups appear in Tables III-21 and III-22.

TABLE III-19

POPULATION USING HALLUCINOGENS (OTHER THAN PCP)
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	4	2	6	8	1
E1-E5	5	4	8	11	2
E6-E9	+	0	1	0	0
O1-O3	+	0	0	1	0
O4-O6	0	0	0	0	0
EUROPE					
TOTAL	2	2	+	*	1
E1-E5	2	3	+	*	1
E6-E9	0	0	0	*	0
O1-O3	0	0	0	*	0
O4-O6	0	-	0	*	0
PACIFIC					
TOTAL	2	2	2	5	1
E1-E5	4	3	5	7	1
E6-E9	+	0	0	1	0
O1-O3	+	0	1	-	0
O4-O6	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	1	3	1	*	0
E1-E5	2	4	1	*	0
E6-E9	0	0	0	*	0
O1-O3	0	-	-	*	-
O4-O6	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	3	2	5	7	1
E1-E5	5	3	7	10	2
E6-E9	+	0	1	+	0
W1-W4	0	0	0	-	*
O1-O3	+	0	+	1	0
O4-O6	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-20

POPULATION OF E1-E5'S USING HALLUCINOGENS (OTHER THAN PCP)
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	5	4	8	11	2
EAST	5	4	7	10	2
WEST	6	3	10	11	2
EUROPE					
TOTAL	2	3	+	*	1
GERMANY	3	3	*	*	1
ITALY	+	*	+	*	*
ENGLAND	1	*	-	*	1
SPAIN	1	*	1	*	1
PACIFIC					
TOTAL	4	3	5	7	1
HAWAII	5	5	6	7	0
JAPAN	5	1	7	7	1
KOREA	2	2	*	*	1
PHILIPPINES	+	*	1	*	0
GUAM	1	*	1	*	*
OTHER LOCATIONS					
TOTAL	2	4	1	*	0
PANAMA CANAL	1	1	*	*	*
ALASKA	3	6	*	*	0
GUANTANAMO BAY	1	*	1	*	*
TOTAL WORLDWIDE	5	3	7	10	2

- - LESS THAN 30 RESPONDENTS.
- + LESS THAN HALF OF ONE PERCENT.
- * NOT APPLICABLE.

TABLE III-21

POPULATION USING HALLUCINOGENS (OTHER THAN PCP)
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	9	7	14	16	3
E1-E5	13	10	20	21	5
E6-E9	1	1	2	0	+
01-03	+	1	+	1	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	6	8	4	*	3
E1-E5	9	11	6	*	5
E6-E9	+	+	0	*	0
01-03	1	2	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	7	4	7	14	3
E1-E5	10	7	12	18	4
E6-E9	+	+	0	1	0
01-03	+	0	1	-	0
04-06	+	0	-	-	2
OTHER LOCATIONS					
TOTAL	5	9	3	*	2
E1-E5	8	13	5	*	2
E6-E9	1	3	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	8	7	12	15	3
E1-E5	12	10	18	21	3
E6-E9	1	+	1	+	+
W1-W4	0	0	0	-	*
01-03	+	1	+	1	0
04-06	+	0	0	0	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-22

POPULATION OF E1-E5'S USING HALLUCINOGENS (OTHER THAN PCP) DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	13	10	20	21	5
EAST	12	10	19	19	5
WEST	13	11	24	23	5
EUROPE					
TOTAL	9	11	6	•	5
GERMANY	10	11	•	•	5
ITALY	8	•	8	•	•
ENGLAND	7	•	-	•	8
SPAIN	3	•	4	•	3
PACIFIC					
TOTAL	10	7	12	18	4
HAWAII	15	9	16	21	2
JAPAN	12	4	15	17	4
KOREA	5	7	•	•	4
PHILIPPINES	5	•	7	•	3
GUAM	4	•	4	•	•
OTHER LOCATIONS					
TOTAL	8	13	5	•	2
PANAMA CANAL	6	6	•	•	•
ALASKA	10	17	•	•	2
GUANTANAMO BAY	5	•	5	•	•
TOTAL WORLDWIDE	12	10	18	21	5

- LESS THAN 30 RESPONDENTS.
• NOT APPLICABLE.

Annual Use - Worldwide

Eight percent of the military personnel worldwide reported they had used hallucinogens within the past 12 months. The highest rate was reported for the El-E5 pay grade group (12 percent). Rates of annual use of hallucinogens among other pay grade groups were 1 percent or less.

Annual Use - Regional and Sub-Regional

Nine percent of the military personnel stationed in CONUS reported use of hallucinogens during the past 12 months; corresponding figures for overseas locations were lower (Europe, 6 percent; Pacific, 7 percent; Other Locations, 5 percent).

Sub-regionally, the highest annual prevalence rate was recorded in the Pacific region for Hawaii (Table III-22). Fifteen percent of the El-E5 group from all Services in Hawaii reported they had used hallucinogens within the past 12 months. In CONUS, prevalence rates were highest in CONUS-West (13 percent). In Europe, the highest annual prevalence rate for use of hallucinogens among El-E5 personnel appeared in Germany (10 percent).

Frequency of Current Use

Less than 2 percent of the military personnel worldwide reported they had used hallucinogens weekly or more frequently within the past 30 days (Table III-23). Frequency of current use of hallucinogens by pay grade and geographical region is depicted in Tables III-24 to III-27.

TABLE III-23

FREQUENCY OF HALLUCINOGEN USE (OTHER THAN PCP)
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	1	1	1	2	+
LESS THAN ONCE A WEEK	2	2	4	5	1
NOT AT ALL	96	97	95	92	99
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	+	*	0
3-4 DAYS A WEEK	+	+	0	*	0
1-2 DAYS A WEEK	+	1	+	*	0
LESS THAN ONCE A WEEK	1	2	+	*	+
NOT AT ALL	98	97	99	*	99
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	2	1	2	4	+
NOT AT ALL	98	98	97	95	99
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	1	1	0	*	+
LESS THAN ONCE A WEEK	1	1	1	*	0
NOT AT ALL	99	97	99	*	100
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	1	1	1	2	+
LESS THAN ONCE A WEEK	2	2	3	5	1
NOT AT ALL	97	97	95	93	99

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-24

FREQUENCY OF HALLUCINOGEN USE (OTHER THAN PCP) DURING PAST 30 DAYS--REGION: CONUS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	100	100
EVERY DAY...............	+	+	+	+	+
5-6 DAYS A WEEK.........	+	+	+	+	+
3-4 DAYS A WEEK.........	+	+	+	+	0
1-2 DAYS A WEEK.........	1	1	2	3	+
LESS THAN ONCE A WEEK..	4	3	5	7	1
NOT AT ALL.............	95	96	92	89	98
E6-E9					
TOTAL..................	100	100	100	100	100
EVERY DAY...............	0	0	0	0	0
5-6 DAYS A WEEK.........	+	0	+	0	0
3-4 DAYS A WEEK.........	+	0	+	0	0
1-2 DAYS A WEEK.........	+	0	+	0	0
LESS THAN ONCE A WEEK..	+	0	1	0	0
NOT AT ALL.............	100	100	99	100	100
O1-O3					
TOTAL..................	100	100	100	100	100
EVERY DAY...............	0	0	0	0	0
5-6 DAYS A WEEK.........	0	0	0	0	0
3-4 DAYS A WEEK.........	+	0	0	1	0
1-2 DAYS A WEEK.........	0	0	0	0	0
LESS THAN ONCE A WEEK..	0	0	0	0	0
NOT AT ALL.............	100	100	100	99	100
O4-O6					
TOTAL..................	100	100	100	100	100
EVERY DAY...............	0	0	0	0	0
5-6 DAYS A WEEK.........	0	0	0	0	0
3-4 DAYS A WEEK.........	0	0	0	0	0
1-2 DAYS A WEEK.........	0	0	0	0	0
LESS THAN ONCE A WEEK..	0	0	0	0	0
NOT AT ALL.............	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-25

FREQUENCY OF HALLUCINOGEN USE (OTHER THAN PCP)
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	1	*	0
3-4 DAYS A WEEK	+	+	0	*	0
1-2 DAYS A WEEK	1	1	+	*	0
LESS THAN ONCE A WEEK	2	3	+	*	+
NOT AT ALL	97	96	99	*	99
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-26

FREQUENCY OF HALLUCINOGEN USE (OTHER THAN PCP)
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	+	+	1	1	0
LESS THAN ONCE A WEEK	3	2	3	5	+
NOT AT ALL	96	97	95	94	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	+	0	0	1	0
NOT AT ALL	100	100	100	99	100
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	+	0	1		0
NOT AT ALL	100	100	99		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-27

FREQUENCY OF HALLUCINOGEN USE (OTHER THAN PCP) DURING PAST 30 DAYS--REGION: OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	1	2	0	*	+
LESS THAN ONCE A WEEK	1	2	1	*	0
NOT AT ALL	98	96	99	*	100
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	
O4-O6					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Cocaine Use

Current Use

Prevalence rates for use of cocaine during the past 30 days appear in Table III-28.

Current Use - Worldwide

Worldwide, 4 percent of the military personnel reported they had used cocaine during the past 30 days. Among the different pay grade groups, only the E1-E5 personnel reported any substantial current use of cocaine (7 percent compared to less than 0.5 percent of the E6-E9 group and none of the officers, worldwide).

Current Use - Regional and Sub-Regional

Personnel stationed in CONUS were slightly more likely to report current use of cocaine (5 percent) than those stationed in overseas locations (Europe, 3 percent; Pacific, 4 percent; Other Locations, 4 percent).

Among E1-E5 enlisted personnel in the different sub-regions, current cocaine use was considerably more prevalent (17 percent) in Hawaii than in any other sub-region (Table III-29).

Annual Use

The prevalence of cocaine use within the past 12 months is depicted in Tables III-30 and III-31.

Annual Use - Worldwide

Eleven percent of the military personnel worldwide reported use of cocaine within the past 12 months. Among the

TABLE III-28

POPULATION USING COCAINE
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	5	4	8	8	1
E1-E5	7	6	11	11	2
E6-E9	+	+	1	0	0
01-03	+	0	+	1	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	3	4	+	*	2
E1-E5	4	5	1	*	2
E6-E9	+	+	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	4	3	6	6	+
E1-E5	6	5	10	8	+
E6-E9	1	1	1	0	1
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	4	6	2	*	2
E1-E5	6	8	4	*	3
E6-E9	+	1	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	4	4	7	8	1
E1-E5	7	6	11	10	2
E6-E9	+	+	1	0	+
W1-W4	0	0	0	-	*
01-03	+	0	+	1	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-29

POPULATION OF E1-E5'S USING COCAINE DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	7	6	11	11	2
EAST	7	7	10	7	2
WEST	8	5	15	14	2
EUROPE					
TOTAL	4	5	1	*	2
GERMANY	5	5	*	*	3
ITALY	1	*	1	*	*
ENGLAND	1	*	-	*	1
SPAIN	3	*	0	*	4
PACIFIC					
TOTAL	6	5	10	8	+
HAWAII	17	12	23	17	2
JAPAN	2	2	3	3	+
KOREA	1	3	*	*	0
PHILIPPINES	0	*	0	*	0
GUAM	1	*	1	*	*
OTHER LOCATIONS					
TOTAL	6	8	4	*	3
PANAMA CANAL	11	11	*	*	*
ALASKA	5	6	*	*	3
GUANTANAMO BAY	4	*	4	*	*
TOTAL WORLDWIDE	7	6	11	10	2

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.

TABLE III-30

POPULATION USING COCAINE DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	12	10	18	20	5
E1-E5	18	15	26	27	8
E6-E9	1	1	2	+	+
01-03	1	1	+	2	+
04-06	0	0	0	0	0
EUROPE					
TOTAL	8	10	5	*	6
E1-E5	12	14	7	*	9
E6-E9	1	1	2	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	9	7	11	15	4
E1-E5	14	12	20	20	5
E6-E9	2	2	1	3	1
01-03	2	3	3	-	2
04-06	1	0	-	-	4
OTHER LOCATIONS					
TOTAL	10	15	7	*	7
E1-E5	15	20	10	*	10
E6-E9	1	5	0	*	0
01-03	3	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	11	10	17	19	5
E1-E5	17	15	25	26	8
E6-E9	1	1	2	1	+
W1-W4	2	2	0	-	*
01-03	+	0	0	2	+
04-06	+	0	0	0	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-31

POPULATION OF E1-E5'S USING COCAINE
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	18	15	26	27	8
EAST	18	15	25	24	10
WEST	18	15	32	30	7
EUROPE					
TOTAL	12	14	7	*	9
GERMANY	13	14	*	*	9
ITALY	6	*	6	*	*
ENGLAND	5	*	-	*	5
SPAIN	11	*	8	*	12
PACIFIC					
TOTAL	14	12	20	20	5
HAWAII	25	19	33	26	8
JAPAN	11	3	11	17	6
KOREA	8	11	*	*	5
PHILIPPINES	4	*	10	*	1
GUAM	10	*	10	*	*
OTHER LOCATIONS					
TOTAL	15	20	10	*	10
PANAMA CANAL	18	18	*	*	*
ALASKA	16	22	*	*	10
GUANTANAMO BAY	10	*	10	*	*
TOTAL WORLDWIDE	17	15	25	26	8

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

junior enlisted personnel, the annual rate was 17 percent. Only about 1 percent of the E6-E9 group and less than 0.5 percent of officers, worldwide, indicated they had used cocaine within the past 12 months.

Annual Use - Regional and Sub-Regional

A larger proportion (12 percent) of the military personnel stationed in CONUS reported they had used cocaine during the preceding 12 months than did their counterparts in overseas locations (Europe, 8 percent; Pacific, 9 percent; Other Locations, 10 percent).

Among the E1-E5 respondents, cocaine use within the past 12 months was considerably more prevalent in Hawaii than in any other sub-region (Table III-31). Twenty-five percent of this pay grade group in Hawaii reported they had used cocaine within the past 12 months.

Frequency of Current Use

Worldwide, only about 2 percent of the military personnel reported they had engaged in cocaine use weekly or more often than weekly within the past 30 days (Table III-32). Frequency of cocaine use by pay grade and geographical region appears in Tables III-33 through III-36.

TABLE III-32

FREQUENCY OF COCAINE USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	1	1	+
1-2 DAYS A WEEK	1	1	2	1	+
LESS THAN ONCE A WEEK	3	3	5	5	1
NOT AT ALL	95	96	92	92	99
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	0	*	0
3-4 DAYS A WEEK	1	1	1	*	+
1-2 DAYS A WEEK	+	1	+	*	+
LESS THAN ONCE A WEEK	2	2	1	*	1
NOT AT ALL	97	96	98	*	98
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	1	1	0
1-2 DAYS A WEEK	1	1	2	1	+
LESS THAN ONCE A WEEK	2	2	3	3	+
NOT AT ALL	96	97	94	94	99
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	+	0	0	*	+
5-6 DAYS A WEEK	+	0	+	*	0
3-4 DAYS A WEEK	+	+	0	*	+
1-2 DAYS A WEEK	1	2	0	*	+
LESS THAN ONCE A WEEK	2	3	1	*	2
NOT AT ALL	97	94	99	*	98
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	1	1	+
1-2 DAYS A WEEK	1	1	2	1	+
LESS THAN ONCE A WEEK	3	3	4	5	1
NOT AT ALL	95	96	93	92	99

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-33

FREQUENCY OF COCAINE USE
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	1	+
5-6 DAYS A WEEK	+	1	1	1	+
3-4 DAYS A WEEK	1	+	1	1	+
1-2 DAYS A WEEK	2	1	3	2	1
LESS THAN ONCE A WEEK	4	4	7	7	1
NOT AT ALL	93	93	88	89	98
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	+	+	+	0	0
1-2 DAYS A WEEK	+	0	+	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	99	100	100
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	0	0	1	0
LESS THAN ONCE A WEEK	+	0	+	0	0
NOT AT ALL	100	100	100	99	100
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-34

FREQUENCY OF COCAINE USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	1
5-6 DAYS A WEEK	+	+	0	*	0
3-4 DAYS A WEEK	1	1	1	*	+
1-2 DAYS A WEEK	1	1	1	*	+
LESS THAN ONCE A WEEK	2	3	1	*	1
NOT AT ALL	96	95	97	*	98
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-35

FREQUENCY OF COCAINE USE
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	1	0
3-4 DAYS A WEEK	1	1	2	1	0
1-2 DAYS A WEEK	1	1	3	1	+
LESS THAN ONCE A WEEK	3	3	5	5	+
NOT AT ALL	94	95	89	92	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	1	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	1	1	1	0	1
NOT AT ALL	99	99	99	100	99
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	100	100	100		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-36

FREQUENCY OF COCAINE USE
DURING PAST 30 DAYS--REGION: OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	+	0	0	*	+
5-6 DAYS A WEEK........	+	0	1	*	0
3-4 DAYS A WEEK........	+	1	0	*	+
1-2 DAYS A WEEK........	1	3	0	*	+
LESS THAN ONCE A WEEK..	3	5	1	*	2
NOT AT ALL.............	95	92	98	*	97
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	+	1	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	99	100	*	100
O1-O3					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	
O4-O6					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Nonmedical Use of Amphetamines or Other Uppers

Current Use

Prevalence rates for nonmedical use of amphetamines or other uppers in the past 30 days are depicted in Table III-37.

Current Use - Worldwide

Worldwide, 6 percent of the respondents reported nonmedical use of amphetamines or other uppers within the past 30 days. Current use rates were substantially higher among E1-E5 enlisted personnel (9 percent) than among other pay grade groups (E6-E9, 1 percent; officers, <0.5 percent).

Current Use - Regional and Sub-Regional

The current use rate for personnel stationed in CONUS was slightly higher (7 percent) than rates in overseas locations (Europe, 5 percent; Pacific and Other Locations, each 4 percent).

Among E1-E5 enlisted personnel in the various subregions, current nonmedical use of amphetamines or other uppers was most prevalent (11 percent) in CONUS-East (Table III-38).

Annual Use

The prevalence rates for nonmedical use of amphetamines or other uppers within the past 12 months are presented in Tables III-39 and III-40.

Annual Use - Worldwide

Worldwide, 13 percent of the military personnel reported nonmedical use of amphetamines or other uppers within the

TABLE III-37

POPULATION USING AMPHETAMINES OR OTHER UPPERS DURING PAST 30 DAYS

(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	7	6	12	9	3
E1-E5	10	8	17	11	4
E6-E9	1	1	1	1	1
01-03	0	0	0	0	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	5	6	3	*	2
E1-E5	7	9	5	*	3
E6-E9	1	1	0	*	0
01-03	+	0	3	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	4	3	4	4	3
E1-E5	6	6	7	6	4
E6-E9	+	0	0	1	1
01-03	1	2	1	-	1
04-06	+	0	-	-	2
OTHER LOCATIONS					
TOTAL	4	6	4	*	2
E1-E5	6	7	7	*	2
E6-E9	+	1	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	6	6	10	8	3
E1-E5	9	8	15	10	4
E6-E9	1	1	1	1	1
W1-W4	0	0	0	-	*
01-03	+	+	+	0	+
04-06	+	0	0	0	+

+ LESS THAN HALF OF ONE PERCENT.

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-38

POPULATION OF E1-E5'S USING AMPHETAMINES OR OTHER UPPERS
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	10	8	17	11	4
EAST	11	9	15	14	5
WEST	9	6	21	10	4
EUROPE					
TOTAL	7	9	5	*	3
GERMANY	8	9	*	*	4
ITALY	4	*	4	*	*
ENGLAND	2	*	-	*	2
SPAIN	5	*	5	*	5
PACIFIC					
TOTAL	6	6	7	6	4
HAWAII	6	6	7	6	1
JAPAN	5	2	9	6	2
KOREA	7	8	*	*	6
PHILIPPINES	6	*	6	*	7
GUAM	3	*	3	*	*
OTHER LOCATIONS					
TOTAL	6	7	7	*	2
PANAMA CANAL	9	9	*	*	*
ALASKA	4	6	*	*	2
GUANTANAMO BAY	7	*	7	*	*
TOTAL WORLDWIDE	9	8	15	10	4

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

TABLE III-39

POPULATION USING AMPHETAMINES OR OTHER UPPERS
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	13	12	21	20	5
E1-E5	20	17	30	27	9
E6-E9	2	1	3	2	1
O1-O3	1	2	+	1	+
O4-O6	+	0	0	3	0
EUROPE					
TOTAL	11	12	9	*	6
E1-E5	15	18	13	*	10
E6-E9	1	1	5	*	0
O1-O3	+	0	3	*	0
O4-O6	0	-	0	*	0
PACIFIC					
TOTAL	10	7	10	15	7
E1-E5	15	12	18	20	10
E6-E9	+	+	0	1	1
O1-O3	1	2	1	-	1
O4-O6	1	0	-	-	4
OTHER LOCATIONS					
TOTAL	12	14	14	*	4
E1-E5	17	19	24	*	6
E6-E9	2	5	1	*	0
O1-O3	0	-	-	*	-
O4-O6	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	13	12	19	19	6
E1-E5	19	17	28	25	9
E6-E9	2	1	3	2	1
W1-W4	0	0	0	-	*
O1-O3	1	2	+	1	+
O4-O6	+	0	0	3	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-40

POPULATION OF E1-E5'S USING AMPHETAMINES OR OTHER UPPERS
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	20	17	30	27	9
EAST	20	17	28	27	10
WEST	18	18	34	26	7
EUROPE					
TOTAL	15	18	13	*	10
GERMANY	16	18	*	*	9
ITALY	11	*	11	*	*
ENGLAND	9	*	-	*	8
SPAIN	13	*	16	*	12
PACIFIC					
TOTAL	15	12	18	20	10
HAWAII	16	13	21	17	3
JAPAN	16	6	20	22	10
KOREA	13	14	*	*	12
PHILIPPINES	12	*	13	*	11
GUAM	11	*	11	*	*
OTHER LOCATIONS					
TOTAL	17	19	24	*	6
PANAMA CANAL	19	19	*	*	*
ALASKA	12	19	*	*	6
GUANTANAMO BAY	24	*	24	*	*
TOTAL WORLDWIDE	19	17	28	25	9

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

past 12 months. Patterns of annual use among the pay grade groups were similar to those reported for current use of these drugs. Worldwide rates for E1-E5 personnel (19 percent) greatly exceeded those for the E6-E9 group (2 percent), junior officers (1 percent) and senior officers (<0.5 percent).

Annual Use - Regional and Sub-Regional

Annual use rates for all military personnel by region varied only slightly: CONUS, 13 percent; Europe, 11 percent; Pacific, 10 percent; Other Locations, 12 percent.

Among E1-E5 personnel, annual nonmedical use of amphetamines or other uppers was more prevalent (24 percent) in Guantanamo Bay than in any other sub-region (Table III-40).

Frequency of Current Use

About 3 percent of the respondents, worldwide, reported they had used amphetamines or other uppers nonmedically either weekly or more frequently than weekly within the past 30 days (Table III-41). Regional variations also were slight (CONUS and Europe, each about 3 percent; Pacific and Other Locations, each about 2 percent). Frequency figures by pay grade groups and region are displayed in Tables III-42 through III-45.

TABLE III-41

FREQUENCY OF AMPHETAMINE OR OTHER UPPER USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	1	+	+
3-4 DAYS A WEEK	1	+	1	1	+
1-2 DAYS A WEEK	2	1	3	3	+
LESS THAN ONCE A WEEK	4	3	6	4	2
NOT AT ALL	93	94	88	91	97
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	+	*	+
5-6 DAYS A WEEK	+	1	+	*	+
3-4 DAYS A WEEK	1	1	+	*	+
1-2 DAYS A WEEK	1	1	1	*	+
LESS THAN ONCE A WEEK	2	3	2	*	2
NOT AT ALL	95	94	96	*	98
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	1	1	0
1-2 DAYS A WEEK	1	1	1	1	1
LESS THAN ONCE A WEEK	2	1	2	3	3
NOT AT ALL	96	97	96	95	97
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	+	*	0
5-6 DAYS A WEEK	+	+	0	*	1
3-4 DAYS A WEEK	+	1	0	*	0
1-2 DAYS A WEEK	1	2	1	*	1
LESS THAN ONCE A WEEK	2	2	2	*	1
NOT AT ALL	96	94	97	*	98
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	1	+	+
3-4 DAYS A WEEK	1	1	1	1	+
1-2 DAYS A WEEK	2	1	3	3	+
LESS THAN ONCE A WEEK	3	3	5	4	2
NOT AT ALL	94	94	90	92	97

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-42

FREQUENCY OF AMPHETAMINE OR OTHER UPPER USE DURING PAST 30 DAYS--REGION: CONUS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	1	1	1	1	+
3-4 DAYS A WEEK	1	1	2	2	+
1-2 DAYS A WEEK	3	2	5	5	1
LESS THAN ONCE A WEEK	6	5	9	5	3
NOT AT ALL	90	91	83	87	96
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	+	0	0
5-6 DAYS A WEEK	+	0	+	0	0
3-4 DAYS A WEEK	+	+	+	0	0
1-2 DAYS A WEEK	+	0	+	0	+
LESS THAN ONCE A WEEK	+	+	+	1	1
NOT AT ALL	99	99	99	99	99
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-43

FREQUENCY OF AMPHETAMINE OR OTHER UPPER USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	1	1	1	*	+
5-6 DAYS A WEEK	1	1	1	*	+
3-4 DAYS A WEEK	1	2	+	*	+
1-2 DAYS A WEEK	1	1	2	*	+
LESS THAN ONCE A WEEK	3	4	3	*	3
NOT AT ALL	93	92	94	*	97
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	+	+	0	*	0
LESS THAN ONCE A WEEK	1	1	0	*	0
NOT AT ALL	99	99	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	0	3	*	0
NOT AT ALL	100	100	97	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-44

FREQUENCY OF AMPHETAMINE OR OTHER UPPER USE DURING PAST 30 DAYS--REGION: PACIFIC (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	1	+	+
5-6 DAYS A WEEK	+	+	+	1	0
3-4 DAYS A WEEK	1	1	1	1	0
1-2 DAYS A WEEK	1	2	2	1	1
LESS THAN ONCE A WEEK	3	2	4	3	3
NOT AT ALL	94	94	93	94	96
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	1	0	0	1	2
NOT AT ALL	99	100	100	99	98
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	+	1	0		0
LESS THAN ONCE A WEEK	1	+	1		1
NOT AT ALL	99	98	99		99
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	+	0			2
NOT AT ALL	100	100			98

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-45

FREQUENCY OF AMPHETAMINE OR OTHER UPPER USE
DURING PAST 30 DAYS--REGION: OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	1	1	*	0
5-6 DAYS A WEEK	+	1	0	*	1
3-4 DAYS A WEEK	1	2	0	*	0
1-2 DAYS A WEEK	2	3	2	*	1
LESS THAN ONCE A WEEK	2	2	3	*	1
NOT AT ALL	94	93	94	*	97
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	1	0	*	0
NOT AT ALL	100	99	100	*	100
O1-O3					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	
O4-O6					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	0			*	
1-2 DAYS A WEEK	0			*	
LESS THAN ONCE A WEEK	0			*	
NOT AT ALL	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Nonmedical Use of Tranquilizers

Current Use

The prevalence rates for nonmedical use of tranquilizers within the past 30 days appear in Tables III-46 and III-47.

Current Use - Worldwide

Only 2 percent of the military personnel worldwide reported any nonmedical use of tranquilizers within the past 30 days. Current use rates were low also among the E1-E5 pay grade group (3 percent).

Current Use - Regional and Sub-Regional

Current prevalence rates were 2 percent in each of the four regions. Sub-regional rates for E1-E5 personnel ranged from 1 percent (England) to 7 percent (Italy).

Annual Use

Annual prevalence rates for nonmedical use of tranquilizers are depicted in Tables III-48 and III-49.

Annual Use - Worldwide

Worldwide, 6 percent of the military personnel reported nonmedical use of tranquilizers within the past 12 months.

The annual use rate among E1-E5 personnel (8 percent) was substantially higher than rates for other pay grade groups (1 percent or less per group).

Annual Use - Regional and Sub-Regional

Annual rates by region varied only slightly: CONUS and Europe, each 6 percent; Pacific, 5 percent; Other Locations, 4 percent.

TABLE III-46

POPULATION USING TRANQUILIZERS
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	2	2	3	2	1
E1-E5	3	3	4	3	1
E6-E9	1	+	2	0	0
01-03	+	+	0	0	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	2	3	3	*	1
E1-E5	3	4	5	*	2
E6-E9	+	0	0	*	1
01-03	0	0	0	*	0
04-06	+	-	0	*	1
PACIFIC					
TOTAL	2	2	2	3	1
E1-E5	3	4	4	3	1
E6-E9	+	0	0	1	0
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	2	3	3	*	0
E1-E5	3	4	4	*	0
E6-E9	1	2	0	*	0
01-03	3	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	2	2	3	2	1
E1-E5	3	3	4	3	1
E6-E9	+	+	1	+	+
W1-W4	0	0	0	-	*
01-03	+	+	+	0	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-47

POPULATION OF E1-E5'S USING TRANQUILIZERS
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	3	3	4	3	1
EAST	3	3	5	4	2
WEST	2	3	4	2	1
EUROPE					
TOTAL	3	4	5	*	2
GERMANY	4	4	*	*	2
ITALY	7	*	7	*	*
ENGLAND	1	*	-	*	1
SPAIN	2	*	3	*	1
PACIFIC					
TOTAL	3	4	4	3	1
HAWAII	3	3	2	4	0
JAPAN	3	3	6	3	1
KOREA	3	5	*	*	1
PHILIPPINES	2	*	2	*	2
GUAM	5	*	5	*	*
OTHER LOCATIONS					
TOTAL	3	4	4	*	0
PANAMA CANAL	4	4	*	*	*
ALASKA	2	4	*	*	0
GUANTANAMO BAY	4	*	4	*	*
TOTAL WORLDWIDE	3	3	4	3	1

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

TABLE III-48

POPULATION USING TRANQUILIZERS DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	6	5	10	7	2
E1-E5	8	7	13	10	3
E6-E9	1	+	2	0	1
O1-O3	1	1	+	3	1
O4-O6	+	0	+	0	0
EUROPE					
TOTAL	6	7	5	*	3
E1-E5	8	10	7	*	4
E6-E9	+	+	0	*	1
O1-O3	1	0	7	*	1
O4-O6	+	-	0	*	1
PACIFIC					
TOTAL	5	4	6	6	3
E1-E5	7	7	10	8	4
E6-E9	1	1	+	2	+
O1-O3	1	+	1	-	4
O4-O6	+	0	-	-	2
OTHER LOCATIONS					
TOTAL	4	7	4	*	2
E1-E5	6	8	5	*	2
E6-E9	1	5	0	*	0
O1-O3	5	-	-	*	-
O4-O6	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	6	5	9	7	2
E1-E5	8	8	13	9	3
E6-E9	1	1	2	1	1
W1-W4	+	+	0	-	*
O1-O3	1	1	1	2	2
O4-O6	+	0	+	0	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-49

POPULATION OF E1-E5'S USING TRANQUILIZERS DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	8	7	13	10	3
EAST	9	7	14	11	4
WEST	7	8	11	9	3
EUROPE					
TOTAL	8	10	7	*	4
GERMANY	9	10	*	*	3
ITALY	9	*	9	*	*
ENGLAND	5	*	-	*	5
SPAIN	4	*	5	*	3
PACIFIC					
TOTAL	7	7	10	8	4
HAWAII	7	5	11	6	2
JAPAN	7	6	11	9	4
KOREA	6	8	*	*	3
PHILIPPINES	6	*	6	*	6
GUAM	12	*	12	*	*
OTHER LOCATIONS					
TOTAL	6	8	5	*	2
PANAMA CANAL	7	7	*	*	*
ALASKA	5	9	*	*	2
GUANTANAMO BAY	5	*	5	*	*
TOTAL WORLDWIDE	8	8	13	9	3

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

Among E1-E5 personnel, annual nonmedical use of tranquilizers was more prevalent in Guam (12 percent) than in any other sub-region.

Frequency of Current Use

Less than 2 percent of the military personnel worldwide reported any nonmedical use of tranquilizers on a weekly or more frequent basis within the past 30 days (Table III-50). The frequency figures for pay grade groups and regions appear in Tables III-51 through III-54.

TABLE III-50

FREQUENCY OF TRANQUILIZER USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	*	*	*	*	*
5-6 DAYS A WEEK	*	*	*	*	0
3-4 DAYS A WEEK	*	*	*	1	*
1-2 DAYS A WEEK	1	*	1	1	*
LESS THAN ONCE A WEEK	1	1	2	1	*
NOT AT ALL	98	98	97	97	39
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	*	*	0	*	*
5-6 DAYS A WEEK	*	*	0	*	0
3-4 DAYS A WEEK	*	*	*	*	0
1-2 DAYS A WEEK	1	1	*	*	*
LESS THAN ONCE A WEEK	1	1	2	*	*
NOT AT ALL	98	97	97	*	99
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	*	*	*	*	*
5-6 DAYS A WEEK	*	*	*	*	0
3-4 DAYS A WEEK	*	*	*	*	*
1-2 DAYS A WEEK	*	*	*	1	*
LESS THAN ONCE A WEEK	1	1	1	2	1
NOT AT ALL	98	98	98	97	99
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	*	0	*	*	0
5-6 DAYS A WEEK	*	0	*	*	0
3-4 DAYS A WEEK	*	*	0	*	0
1-2 DAYS A WEEK	1	1	*	*	*
LESS THAN ONCE A WEEK	1	1	2	*	0
NOT AT ALL	98	97	96	*	100
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	*	*	*	*	*
5-6 DAYS A WEEK	*	*	*	*	0
3-4 DAYS A WEEK	*	*	*	*	*
1-2 DAYS A WEEK	1	1	1	1	*
LESS THAN ONCE A WEEK	1	1	2	1	*
NOT AT ALL	98	98	97	97	99

* LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-51

FREQUENCY OF TRANQUILIZER USE
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	1	+
1-2 DAYS A WEEK	1	1	1	1	+
LESS THAN ONCE A WEEK	2	2	2	1	1
NOT AT ALL	97	97	95	96	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	+	0	0
5-6 DAYS A WEEK	+	0	+	0	0
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	+	0	1	0	+
LESS THAN ONCE A WEEK	+	0	+	0	0
NOT AT ALL	99	100	98	100	100
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	+	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-52

FREQUENCY OF TRANQUILIZER USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	1	0	*	0
3-4 DAYS A WEEK	+	+	1	*	0
1-2 DAYS A WEEK	1	1	1	*	+
LESS THAN ONCE A WEEK	1	1	4	*	+
NOT AT ALL	97	96	95	*	99
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	+		0	*	1
NOT AT ALL	100		100	*	99

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-53

FREQUENCY OF TRANQUILIZER USE
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	1	1	+	+
1-2 DAYS A WEEK	1	1	1	1	+
LESS THAN ONCE A WEEK	2	2	2	2	1
NOT AT ALL	97	96	96	96	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	+	0	0	1	1
NOT AT ALL	100	100	100	99	99
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	100	100	100		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-54

FREQUENCY OF TRANQUILIZER USE DURING PAST 30 DAYS--REGION: OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	+	0	1	*	0
5-6 DAYS A WEEK........	+	0	1	*	0
3-4 DAYS A WEEK........	+	1	0	*	0
1-2 DAYS A WEEK........	1	1	1	*	+
LESS THAN ONCE A WEEK..	2	2	3	*	0
NOT AT ALL.............	97	97	95	*	100
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	1	2	0	*	0
NOT AT ALL.............	99	98	100	*	100
O1-O3					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	3			*	
NOT AT ALL.............	97			*	
O4-O6					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Nonmedical Use of Barbiturates or Other Downers

Current Use

Prevalence rates for current nonmedical use of barbiturates or other downers for the various groups and regions are shown in Tables III-55 and III-56.

Current Use - Worldwide

The worldwide prevalence of current use of barbiturates or other downers was low (2 percent). The rate for the E1-E5 pay grade group was also low (3 percent).

Current Use - Regional and Sub-Regional

Current rates by region showed no variation (2 percent per region).

Annual Use

The 12 month prevalence rates for use of barbiturates or other downers are presented in Tables III-57 and III-58.

Annual Use - Worldwide

Six percent of the military personnel worldwide reported they had used barbiturates or other downers within the past 12 months. Among the different pay grade groups, the rate for the E1-E5 group (8 percent) was considerably higher than those for other groups (E6-E9, 1 percent; junior officers, 1 percent; senior officers, 0 percent).

Annual Use - Regional and Sub-Regional

Regional variances in annual use of barbiturates or other downers were slight: CONUS, 6 percent; Europe and the Pacific, each 5 percent; Other Locations, 4 percent.

TABLE III-55

POPULATION USING BARBITURATES OR OTHER DOWNERS DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	2	2	3	3	1
E1-E5	3	3	5	4	1
E6-E9	+	0	1	0	0
01-03	1	1	0	1	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	2	3	2	*	1
E1-E5	3	4	2	*	1
E6-E9	0	0	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	2	2	2	3	1
E1-E5	3	4	4	4	1
E6-E9	0	0	0	0	0
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	2	2	3	*	1
E1-E5	3	3	6	*	1
E6-E9	0	0	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	2	3	3	3	1
E1-E5	3	4	5	4	1
E6-E9	+	0	1	0	0
W1-W4	0	0	0	-	*
01-03	+	1	0	1	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-56

POPULATION OF E1-E5'S USING BARBITURATES OR OTHER DOWNERS DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	3	3	5	4	1
EAST	4	4	5	5	1
WEST	3	2	4	4	2
EUROPE					
TOTAL	3	4	2	*	1
GERMANY	4	4	*	*	1
ITALY	4	*	4	*	*
ENGLAND	1	*	-	*	1
SPAIN	1	*	1	*	1
PACIFIC					
TOTAL	3	4	4	4	1
HAWAII	3	3	5	3	0
JAPAN	3	0	4	4	1
KOREA	4	5	*	*	2
PHILIPPINES	1	*	1	*	2
GUAM	5	*	5	*	*
OTHER LOCATIONS					
TOTAL	3	3	6	*	1
PANAMA CANAL	2	2	*	*	*
ALASKA	2	4	*	*	1
GUANTANAMO BAY	6	*	6	*	*
TOTAL WORLDWIDE	3	4	5	4	1

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

TABLE III-57

POPULATION USING BARBITURATES OR OTHER DOWNERS
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	6	6	9	9	3
E1-E5	9	8	13	12	4
E6-E9	1	1	1	0	0
01-03	1	1	0	1	+
04-06	0	0	0	0	0
EUROPE					
TOTAL	5	6	4	*	2
E1-E5	7	9	5	*	4
E6-E9	1	1	2	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	5	3	6	8	3
E1-E5	8	6	11	11	4
E6-E9	+	0	1	1	0
01-03	+	0	0	-	1
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	4	6	4	*	1
E1-E5	6	8	7	*	1
E6-E9	+	1	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	6	6	8	9	3
E1-E5	8	8	12	11	4
E6-E9	1	1	1	+	0
W1-W4	0	0	0	-	*
01-03	1	1	0	1	+
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-58

POPULATION OF E1-E5'S USING BARBITURATES OR OTHER DOWNERS
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	9	8	13	12	4
EAST	9	8	13	13	4
WEST	8	9	10	11	4
EUROPE					
TOTAL	7	9	5	*	4
GERMANY	8	9	*	*	3
ITALY	7	*	7	*	*
ENGLAND	4	*	-	*	4
SPAIN	3	*	3	*	3
PACIFIC					
TOTAL	8	6	11	11	4
HAWAII	9	4	13	9	1
JAPAN	9	4	12	12	4
KOREA	7	8	*	*	7
PHILIPPINES	5	*	7	*	3
GUAM	8	*	8	*	*
OTHER LOCATIONS					
TOTAL	6	8	7	*	1
PANAMA CANAL	4	4	*	*	*
ALASKA	6	12	*	*	1
GUANTANAMO BAY	7	*	7	*	*
TOTAL WORLDWIDE	8	8	12	11	4

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

Sub-regionally, among the E1-E5 enlisted personnel, annual use of barbiturates or other downers was more prevalent in CONUS-East, Hawaii and Japan (each 9 percent) than in any other sub-regions.

Frequency of Current Use

Use of barbiturates or other downers on a weekly or more frequent basis within the past 30 days was reported by only about 1 percent of the military personnel (Table III-59). Variations by pay grade groups and regions were not large (Tables III-60 through III-63).

TABLE III-59

FREQUENCY OF BARBITURATE OR OTHER DOWNER USE DURING PAST 30 DAYS--TOTAL DOD (PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	1	1	1	1	0
LESS THAN ONCE A WEEK	1	1	2	2	1
NOT AT ALL	98	98	96	97	99
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	1	+	*	0
3-4 DAYS A WEEK	+	+	+	*	0
1-2 DAYS A WEEK	1	1	+	*	+
LESS THAN ONCE A WEEK	1	1	1	*	0
NOT AT ALL	98	97	99	*	100
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	+	1	+
LESS THAN ONCE A WEEK	1	+	1	1	1
NOT AT ALL	98	98	98	97	99
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	+	0	+	*	0
5-6 DAYS A WEEK	+	0	+	*	0
3-4 DAYS A WEEK	+	1	0	*	0
1-2 DAYS A WEEK	1	1	+	*	+
LESS THAN ONCE A WEEK	1	0	2	*	1
NOT AT ALL	98	98	97	*	99
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	1	1	1	1	+
LESS THAN ONCE A WEEK	1	1	2	2	1
NOT AT ALL	98	97	97	97	99

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-60

FREQUENCY OF BARBITURATE OR OTHER DOWNER USE DURING PAST 30 DAYS--REGION: CONUS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	+
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	1	1	2	1	0
LESS THAN ONCE A WEEK	2	2	2	2	1
NOT AT ALL	97	97	95	96	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	+	0	+	0	0
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	+	0	+	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	99	100	100
01-03					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	+	0	0	0
LESS THAN ONCE A WEEK	+	1	0	1	0
NOT AT ALL	99	99	100	99	100
04-06					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-61

FREQUENCY OF BARBITURATE OR OTHER DOWNER USE DURING PAST 30 DAYS--REGION: EUROPE (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	1	1	1	*	0
3-4 DAYS A WEEK	+	+	+	*	0
1-2 DAYS A WEEK	1	1	+	*	+
LESS THAN ONCE A WEEK	1	2	1	*	0
NOT AT ALL	97	96	98	*	99
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
01-03					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
04-06					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-62

FREQUENCY OF BARBITURATE OR OTHER DOWNER USE DURING PAST 30 DAYS--REGION: PACIFIC (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	+	+	+	+	+
5-6 DAYS A WEEK........	+	1	+	+	0
3-4 DAYS A WEEK........	+	1	1	1	+
1-2 DAYS A WEEK........	1	1	1	1	+
LESS THAN ONCE A WEEK..	1	1	2	2	1
NOT AT ALL.............	97	97	96	96	99
E6-E9					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	0	0	0	0	0
5-6 DAYS A WEEK........	0	0	0	0	0
3-4 DAYS A WEEK........	0	0	0	0	0
1-2 DAYS A WEEK........	0	0	0	0	0
LESS THAN ONCE A WEEK..	+	0	0	0	1
NOT AT ALL.............	100	100	100	100	99
O1-O3					
TOTAL..................	100	100	100	-	100
EVERY DAY..............	0	0	0		0
5-6 DAYS A WEEK........	0	0	0		0
3-4 DAYS A WEEK........	0	0	0		0
1-2 DAYS A WEEK........	0	0	0		0
LESS THAN ONCE A WEEK..	0	0	0		0
NOT AT ALL.............	100	100	100		100
O4-O6					
TOTAL..................	100	100	-	-	100
EVERY DAY..............	0	0			0
5-6 DAYS A WEEK........	0	0			0
3-4 DAYS A WEEK........	0	0			0
1-2 DAYS A WEEK........	0	0			0
LESS THAN ONCE A WEEK..	0	0			0
NOT AT ALL.............	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-63

FREQUENCY OF BARBITURATE OR OTHER DOWNER USE DURING PAST 30 DAYS--REGION: OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY.............	+	0	1	*	0
5-6 DAYS A WEEK........	+	0	1	*	0
3-4 DAYS A WEEK........	+	1	0	*	0
1-2 DAYS A WEEK........	1	1	1	*	+
LESS THAN ONCE A WEEK..	1	0	3	*	1
NOT AT ALL.............	97	98	95	*	99
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY.............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
O1-O3					
TOTAL..................	100	-	-	*	-
EVERY DAY.............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	
O4-O6					
TOTAL..................	100	-	-	*	-
EVERY DAY.............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Heroin Use

Current Use

Prevalence rates for use of heroin within the past 30 days are presented in Tables III-64 and III-65.

Current Use - Worldwide

Only 1 percent of the military personnel worldwide reported they had used heroin within the past 30 days. Among the different pay grade groups, none of the officers reported use of heroin in the past 30 days. Rates for the E1-E5 and E6-E9 pay grade groups were 1 percent and less than 0.5 percent, respectively.

Current Use - Regional and Sub-Regional

Regional rates for current use of heroin were 1 percent or less in all regions except Europe where the rate was 2 percent. Current use of heroin was most prevalent among E1-E5 personnel in Europe (3 percent). The highest sub-regional rate was recorded for E1-E5 personnel in Germany (4 percent).

Annual Use

Annual rates of heroin use are depicted in Tables III-66 and III-67.

Annual Use - Worldwide

The annual prevalence rate for heroin use worldwide (2 percent) was double that for current use of this drug; however, patterns of use by pay grade groups and regions were similar for both time periods.

TABLE III-64

POPULATION USING HEROIN DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1	1	1	+	+
E1-E5	1	1	1	+	+
E6-E9	+	0	+	0	0
01-03	0	0	0	0	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	2	3	0	*	1
E1-E5	3	4	0	*	1
E6-E9	0	0	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	+	1	1	+	+
E1-E5	1	1	1	+	+
E6-E9	0	0	0	0	0
01-03	0	0	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	+	0	0	*	+
E1-E5	+	0	0	*	+
E6-E9	0	0	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	1	1	1	+	+
E1-E5	1	2	1	+	+
E6-E9	+	0	+	0	0
W1-W4	0	0	0	-	*
01-03	0	0	0	0	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-65

POPULATION OF E1-E5'S USING HEROIN
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1	1	1	+	+
EAST	1	1	1	1	+
WEST	+	1	1	0	+
EUROPE					
TOTAL	3	4	0	*	1
GERMANY	4	4	*	*	2
ITALY	0	*	0	*	*
ENGLAND	0	*	-	*	0
SPAIN	0	*	0	*	0
PACIFIC					
TOTAL	1	1	1	+	+
HAWAII	1	1	2	0	0
JAPAN	+	1	1	+	+
KOREA	1	1	*	*	0
PHILIPPINES	0	*	0	*	0
GUAM	0	*	0	*	*
OTHER LOCATIONS					
TOTAL	+	0	0	*	+
PANAMA CANAL	0	0	*	*	*
ALASKA	+	0	*	*	+
GUANTANAMO BAY	0	*	0	*	*
TOTAL WORLDWIDE	1	2	1	+	+

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.

TABLE III-66

POPULATION USING HEROIN
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1	2	1	1	+
E1-E5	2	3	2	1	+
E6-E9	+	0	+	0	0
O1-O3	0	0	0	0	0
O4-O6	0	0	0	0	0
EUROPE					
TOTAL	4	6	0	*	1
E1-E5	7	9	0	*	1
E6-E9	0	0	0	*	0
O1-O3	0	0	0	*	0
O4-O6	0	-	0	*	0
PACIFIC					
TOTAL	1	1	1	1	1
E1-E5	1	2	2	1	1
E6-E9	0	0	0	0	0
O1-O3	0	0	0	-	0
O4-O6	+	0	-	-	2
OTHER LOCATIONS					
TOTAL	+	+	+	*	+
E1-E5	1	1	1	*	+
E6-E9	0	0	0	*	0
O1-O3	0	-	-	*	-
O4-O6	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	2	3	1	1	+
E1-E5	2	4	2	1	1
E6-E9	+	0	+	0	0
W1-W4	0	0	0	-	*
O1-O3	0	0	0	0	0
O4-O6	+	0	0	0	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-67

POPULATION OF E1-E5'S USING HEROIN
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	2	3	2	1	+
EAST	2	3	2	2	+
WEST	1	3	2	1	1
EUROPE					
TOTAL	7	9	0	•	1
GERMANY	8	9	•	•	3
ITALY	0	•	0	•	•
ENGLAND	0	•	-	•	0
SPAIN	+	•	0	•	1
PACIFIC					
TOTAL	1	2	2	1	1
HAWAII	1	1	2	0	0
JAPAN	1	1	3	1	+
KOREA	1	2	•	•	0
PHILIPPINES	1	•	0	•	2
GUAM	+	•	+	•	•
OTHER LOCATIONS					
TOTAL	1	1	1	•	+
PANAMA CANAL	0	0	•	•	•
ALASKA	1	1	•	•	+
GUANTANAMO BAY	1	•	1	•	•
TOTAL WORLDWIDE	2	4	2	1	1

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
• NOT APPLICABLE.

Annual Use - Regional and Sub-Regional

Four percent of the military personnel stationed in Europe reported they had used heroin within the past 12 months (compared to 1 percent or less of the personnel in other regions).

Among the E1-E5 pay grade groups in the various sub-regions, the annual rate of heroin use was the highest, by a considerable margin, in Germany (8 percent). The rate was no more than 2 percent in any other sub-region.

Frequency of Current Use

A special analysis shows that only 0.5 percent of the military personnel worldwide reported they had used heroin weekly or more frequently than weekly during the past 30 days. As shown in Tables III-68 through III-72, about 3 percent of the Army-Europe E1-E5 pay grade group reported they had used heroin weekly or more often than weekly during the past 30 days. However, further analysis shows that only 0.5 percent of Army-Germany junior enlisted personnel reported using heroin at least *five* days per week during the preceding 30 days.

TABLE III-68

FREQUENCY OF HEROIN USE
DURING PAST 30 DAYS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	0	+	0	+
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	+	+	+	+	+
LESS THAN ONCE A WEEK	+	+	+	+	0
NOT AT ALL	100	99	99	99	100
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	0	*	0
3-4 DAYS A WEEK	+	1	+	*	0
1-2 DAYS A WEEK	1	1	0	*	+
LESS THAN ONCE A WEEK	1	1	0	*	+
NOT AT ALL	97	96	100	0	99
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	0
5-6 DAYS A WEEK	+	+	0	0	0
3-4 DAYS A WEEK	+	+	+	0	0
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	+	+	+	0	0
NOT AT ALL	100	100	99	100	100
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	+	0	0	*	+
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	0	+
3-4 DAYS A WEEK	+	+	+	0	0
1-2 DAYS A WEEK	+	+	+	+	+
LESS THAN ONCE A WEEK	+	+	+	+	+
NOT AT ALL	99	99	99	99	100

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-69

FREQUENCY OF HEROIN USE
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	0	+	0	+
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	+	+	+	+	+
LESS THAN ONCE A WEEK	+	+	+	+	0
NOT AT ALL	99	99	99	99	100
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	+	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	+	0	+	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O1-O3					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O4-O6					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-70

FREQUENCY OF HEROIN USE
DURING PAST 30 DAYS--REGION: EUROPE
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	0	*	0
3-4 DAYS A WEEK	1	1	1	*	0
1-2 DAYS A WEEK	1	2	0	*	+
LESS THAN ONCE A WEEK	1	2	0	*	+
NOT AT ALL	96	95	99	*	99
E6-E9					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	+	0	*	0
NOT AT ALL	100	100	100	*	100
O1-O3					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	0	0	0	*	0
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	0	0	0	*	0
NOT AT ALL	100	100	100	*	100
O4-O6					
TOTAL	100	-	100	*	100
EVERY DAY	0		0	*	0
5-6 DAYS A WEEK	0		0	*	0
3-4 DAYS A WEEK	0		0	*	0
1-2 DAYS A WEEK	0		0	*	0
LESS THAN ONCE A WEEK	0		0	*	0
NOT AT ALL	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-71

FREQUENCY OF HEROIN USE
DURING PAST 30 DAYS--REGION: PACIFIC
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	0
5-6 DAYS A WEEK	+	+	0	0	0
3-4 DAYS A WEEK	+	+	+	0	0
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	+	+	+	0	0
NOT AT ALL	99	99	99	99	100
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	0	0	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	100	100	100		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-72

FREQUENCY OF HEROIN USE
DURING PAST 30 DAYS--REGION: OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	+	0	0	*	+
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
O1-O3					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	
O4-O6					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Use of Other Opiates

Current Use

Prevalence rates for use of "other opiates" (excluding heroin) during the past 30 days are shown in Tables III-73 and III-74.

Current Use - Worldwide

Worldwide, only 1 percent of the military personnel reported they had used opiates other than heroin within the past 30 days. Among the different pay grade groups, rates ranged from zero to less than 0.5 percent for all except the E1-E5 enlisted personnel for whom a 2 percent rate was recorded.

Current Use - Regional and Sub-Regional

Regional rates for all combined pay grade groups were 2 percent in Europe and 1 percent in each of the other regions.

Annual Use

The prevalence rates for use of "other opiates" during the past 12 months are displayed in Tables III-75 and III-76.

Annual Use - Worldwide

Worldwide, 4 percent of the military personnel reported use of opiates other than heroin during the past 12 months. The annual rate for E1-E5 personnel (5 percent) was substantially higher than the rates for other pay grade groups (i.e., <0.5 percent).

Annual Use - Regional and Sub-Regional

Annual rates by region did not vary greatly: CONUS and

TABLE III-73

POPULATION USING OPIATES (OTHER THAN HEROIN) DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1	1	2	2	+
E1-E5	2	2	2	2	1
E6-E9	+	+	+	+	0
01-03	+	1	0	1	0
04-06	0	0	0	0	0
EUROPE					
TOTAL	2	2	1	*	+
E1-E5	2	3	2	*	1
E6-E9	1	2	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	1	2	2	2	1
E1-E5	2	3	3	2	1
E6-E9	0	0	0	0	0
01-03	+	1	0	-	0
04-06	0	0	-	-	0
OTHER LOCATIONS					
TOTAL	1	1	+	*	+
E1-E5	1	1	1	*	+
E6-E9	0	0	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	1	2	2	2	+
E1-E5	2	2	2	2	1
E6-E9	+	1	+	+	0
W1-W4	0	0	0	-	*
01-03	+	1	0	1	0
04-06	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-74

POPULATION OF E1-E5'S USING OPIATES (OTHER THAN HEROIN) DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	2	2	2	2	1
EAST	2	2	2	3	1
WEST	1	2	3	2	+
EUROPE					
TOTAL	2	3	2	*	1
GERMANY	3	3	*	*	1
ITALY	3	*	3	*	*
ENGLAND	0	*	-	*	0
SPAIN	1	*	1	*	1
PACIFIC					
TOTAL	2	3	3	2	1
HAWAII	2	2	3	1	0
JAPAN	2	2	3	3	1
KOREA	3	4	*	*	2
PHILIPPINES	0	*	0	*	0
GUAM	5	*	5	*	*
OTHER LOCATIONS					
TOTAL	1	1	1	*	+
PANAMA CANAL	1	1	*	*	*
ALASKA	1	1	*	*	+
GUANTANAMO BAY	1	*	1	*	*
TOTAL WORLDWIDE	2	2	2	2	1

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.

TABLE III-75

POPULATION USING OPIATES (OTHER THAN HEROIN)
DURING PAST 12 MONTHS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	4	4	5	6	1
E1-E5	5	5	7	7	2
E6-E9	+	+	+	1	0
01-03	+	1	0	1	+
04-06	0	0	0	0	0
EUROPE					
TOTAL	4	5	2	*	1
E1-E5	5	7	3	*	2
E6-E9	1	2	0	*	0
01-03	0	0	0	*	0
04-06	0	-	0	*	0
PACIFIC					
TOTAL	3	3	3	5	2
E1-E5	5	5	6	7	3
E6-E9	+	+	0	0	0
01-03	+	1	0	-	0
04-06	+	0	-	-	2
OTHER LOCATIONS					
TOTAL	2	3	1	*	1
E1-E5	3	5	1	*	1
E6-E9	0	0	0	*	0
01-03	0	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	4	4	5	6	1
E1-E5	5	6	7	7	2
E6-E9	+	1	+	+	0
W1-W4	0	0	0	-	*
01-03	+	1	0	1	+
04-06	+	0	0	0	+

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-76

POPULATION OF E1-E5'S USING OPIATES (OTHER THAN HEROIN) DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	5	5	7	7	2
EAST	5	5	7	9	2
WEST	5	7	8	7	2
EUROPE					
TOTAL	5	7	3	*	2
GERMANY	6	7	*	*	2
ITALY	4	*	4	*	*
ENGLAND	1	*	-	*	1
SPAIN	2	*	1	*	3
PACIFIC					
TOTAL	5	5	6	7	3
HAWAII	4	2	7	4	1
JAPAN	7	3	8	9	4
KOREA	5	7	*	*	4
PHILIPPINES	+	*	1	*	0
GUAM	8	*	8	*	*
OTHER LOCATIONS					
TOTAL	3	5	1	*	1
PANAMA CANAL	2	2	*	*	*
ALASKA	4	6	*	*	1
GUANTANAMO BAY	1	*	1	*	*
TOTAL WORLDWIDE	5	6	7	7	2

- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.

Europe, each 4 percent; Pacific, 3 percent; Other Locations, 2 percent.

Frequency of Current Use

Less than 1 percent of the military personnel worldwide reported they had used opiates other than heroin weekly or more frequently than weekly within the past 30 days (Table III-77). Frequency data by pay grade group and geographical region appear in Tables III-78 through III-81.

TABLE III-77

FREQUENCY OF OPIATE USE (OTHER THAN HEROIN) DURING PAST 30 DAYS--TOTAL DOD (PERCENTAGE OF POPULATION)**

REGION/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	0	+	+	0
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	+	+	0
LESS THAN ONCE A WEEK	1	1	1	1	+
NOT AT ALL	99	99	98	98	100
EUROPE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	+	+	1	*	0
3-4 DAYS A WEEK	+	+	+	*	0
1-2 DAYS A WEEK	1	1	0	*	0
LESS THAN ONCE A WEEK	1	1	+	*	+
NOT AT ALL	98	97	99	*	100
PACIFIC					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	+	+	+	+	+
LESS THAN ONCE A WEEK	1	1	1	1	+
NOT AT ALL	99	98	99	98	99
OTHER LOCATIONS					
TOTAL	100	100	100	*	100
EVERY DAY	0	0	0	*	0
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	+	0	0	*	+
1-2 DAYS A WEEK	0	0	0	*	0
LESS THAN ONCE A WEEK	+	1	+	*	0
NOT AT ALL	99	99	100	*	100
TOTAL WORLDWIDE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	+	+	+
LESS THAN ONCE A WEEK	1	1	1	1	+
NOT AT ALL	99	98	98	98	100

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE III-78

FREQUENCY OF OPIATE USE (OTHER THAN HEROIN)
DURING PAST 30 DAYS--REGION: CONUS
(PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	+
5-6 DAYS A WEEK	+	0	+	+	0
3-4 DAYS A WEEK	+	+	+	+	+
1-2 DAYS A WEEK	+	+	1	+	0
LESS THAN ONCE A WEEK	1	1	1	1	+
NOT AT ALL	98	99	98	97	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	+	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	0	+	0	0
LESS THAN ONCE A WEEK	+	0	+	0	0
NOT AT ALL	100	100	100	100	100
01-03					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	0	0	1	0
LESS THAN ONCE A WEEK	+	1	0	0	0
NOT AT ALL	100	99	100	99	100
04-06					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-79

FREQUENCY OF OPIATE USE (OTHER THAN HEROIN) DURING PAST 30 DAYS--REGION: EUROPE (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	+	+	0	*	+
5-6 DAYS A WEEK........	+	+	2	*	0
3-4 DAYS A WEEK........	+	+	+	*	0
1-2 DAYS A WEEK........	1	1	0	*	0
LESS THAN ONCE A WEEK..	1	2	+	*	+
NOT AT ALL.............	97	96	98	*	99
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	+	+	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
O1-O3					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
O4-O6					
TOTAL..................	100	-	100	*	100
EVERY DAY..............	0		0	*	0
5-6 DAYS A WEEK........	0		0	*	0
3-4 DAYS A WEEK........	0		0	*	0
1-2 DAYS A WEEK........	0		0	*	0
LESS THAN ONCE A WEEK..	0		0	*	0
NOT AT ALL.............	100		100	*	100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-80

FREQUENCY OF OPIATE USE (OTHER THAN HEROIN) DURING PAST 30 DAYS--REGION: PACIFIC (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	1	+
5-6 DAYS A WEEK	+	+	+	0	0
3-4 DAYS A WEEK	+	+	+	+	0
1-2 DAYS A WEEK	+	+	+	1	+
LESS THAN ONCE A WEEK	1	2	1	1	1
NOT AT ALL	98	97	98	98	99
E6-E9					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
LESS THAN ONCE A WEEK	0	0	0	0	0
NOT AT ALL	100	100	100	100	100
O1-O3					
TOTAL	100	100	100	-	100
EVERY DAY	0	0	0		0
5-6 DAYS A WEEK	0	0	0		0
3-4 DAYS A WEEK	+	1	0		0
1-2 DAYS A WEEK	0	0	0		0
LESS THAN ONCE A WEEK	0	0	0		0
NOT AT ALL	100	99	100		100
O4-O6					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	0	0			0
LESS THAN ONCE A WEEK	0	0			0
NOT AT ALL	100	100			100

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-81

FREQUENCY OF OPIATE USE (OTHER THAN HEROIN) DURING PAST 30 DAYS--REGION: OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

PAY GRADE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	+	0	0	*	+
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	1	1	1	*	0
NOT AT ALL.............	99	99	99	*	100
E6-E9					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
LESS THAN ONCE A WEEK..	0	0	0	*	0
NOT AT ALL.............	100	100	100	*	100
O1-O3					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	
O4-O6					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	0			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	0			*	
LESS THAN ONCE A WEEK..	0			*	
NOT AT ALL.............	100			*	

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Nonmedical Use of Any Drugs

Table III-82, III-83, III-84, and III-85 depict the proportion of the population that engaged in any nonmedical drug use. The prevalence rates are nearly identical to those discussed previously for marijuana/hashish use. For example, Table III-82 shows that 27 percent of the respondents worldwide reported current use of at least one type of drug while Table III-1 shows that 26 percent reported current use of marijuana or hashish. Similarly, the comparable figures for annual use are: any nonmedical drug use, 36 percent (Table III-83); marijuana/hashish use, 35 percent (Table III-3). Clearly, nearly all nonmedical drug users used marijuana or hashish.

Because of the close correspondence between marijuana/ hashish use and any drug use, the patterns for these two types of prevalence are nearly identical.

TABLE III-82

POPULATION USING AT LEAST ONE TYPE OF DRUG DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	28	30	35	39	14
E1-E5	40	42	50	51	21
E6-E9	5	7	7	6	3
01-03	3	5	2	6	2
04-06	1	0	0	0	1
EUROPE					
TOTAL	24	29	19	*	14
E1-E5	34	40	29	*	21
E6-E9	3	4	3	*	2
01-03	4	6	3	*	0
04-06	+	-	0	*	1
PACIFIC					
TOTAL	22	21	25	29	14
E1-E5	33	36	42	37	19
E6-E9	4	3	5	5	3
01-03	4	5	6	-	4
04-06	2	0	-	-	4
OTHER LOCATIONS					
TOTAL	23	30	22	*	14
E1-E5	33	40	35	*	20
E6-E9	4	9	3	*	0
01-03	7	-	-	*	-
04-06	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	27	29	33	37	14
E1-E5	38	41	48	48	21
E6-E9	5	6	6	5	2
W1-W4	3	5	0	-	*
01-03	4	5	3	5	2
04-06	1	0	0	2	1

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-83

POPULATION USING AT LEAST ONE TYPE OF DRUG DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	37	38	45	49	22
E1-E5	51	53	61	62	33
E6-E9	11	11	13	11	6
O1-O3	9	11	8	11	8
O4-O6	2	1	1	3	2
EUROPE					
TOTAL	34	39	29	*	25
E1-E5	48	53	41	*	36
E6-E9	5	6	12	*	2
O1-O3	9	12	12	*	3
O4-O6	+	-	0	*	1
PACIFIC					
TOTAL	33	30	33	43	26
E1-E5	46	49	55	56	34
E6-E9	8	8	10	8	6
O1-O3	6	10	7	-	8
O4-O6	3	2	-	-	10
OTHER LOCATIONS					
TOTAL	34	42	31	*	22
E1-E5	45	52	48	*	30
E6-E9	11	20	7	*	4
O1-O3	22	-	-	*	-
O4-O6	0	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	36	38	43	47	23
E1-E5	50	53	59	61	33
E6-E9	9	10	12	10	6
W1-W4	4	6	0	-	*
O1-O3	9	12	9	8	7
O4-O6	2	1	1	5	2

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

TABLE III-84

POPULATION OF E1-E5'S USING AT LEAST ONE TYPE OF DRUG
DURING PAST 30 DAYS
(PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	40	42	50	51	21
EAST	41	42	48	52	23
WEST	37	41	54	51	20
EUROPE					
TOTAL	34	40	29	*	21
GERMANY	37	40	*	*	22
ITALY	27	*	27	*	*
ENGLAND	19	*	-	*	19
SPAIN	24	*	33	*	20
PACIFIC					
TOTAL	33	36	42	37	19
HAWAII	44	49	51	44	17
JAPAN	26	19	32	33	15
KOREA	29	36	*	*	22
PHILIPPINES	28	*	33	*	25
GUAM	43	*	43	*	
OTHER LOCATIONS					
TOTAL	33	40	35	*	20
PANAMA CANAL	35	35	*	*	*
ALASKA	31	44	*	*	20
GUANTANAMO BAY	35	*	35	*	*
TOTAL WORLDWIDE	38	41	48	48	21

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

TABLE III-85

POPULATION OF E1-E5'S USING AT LEAST ONE TYPE OF DRUG DURING PAST 12 MONTHS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	51	53	61	62	33
EAST	52	53	59	62	34
WEST	49	53	66	63	32
EUROPE					
TOTAL	48	53	41	*	36
GERMANY	51	53	*	*	37
ITALY	38	*	38	*	*
ENGLAND	38	*	-	*	39
SPAIN	36	*	45	*	32
PACIFIC					
TOTAL	48	49	55	56	34
HAWAII	57	60	64	58	33
JAPAN	44	33	46	55	29
KOREA	46	49	*	*	42
PHILIPPINES	39	*	49	*	33
GUAM	55	*	55	*	*
OTHER LOCATIONS					
TOTAL	45	52	48	*	30
PANAMA CANAL	45	45	*	*	*
ALASKA	43	57	*	*	30
GUANTANAMO BAY	48	*	48	*	*
TOTAL WORLDWIDE	50	53	59	61	33

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.

Multiple Drug Use

"Multiple drug use" refers to the use of more than one type of drug during a specified period. The drug types considered are the nine categories previously discussed in this section. Thus, for the purpose of this analysis, a person using (say) two different barbiturate drugs nonmedically during a specified period is counted as using only one drug type (i.e., barbiturates/other downers), assuming he or she uses no other types of drugs. Because nonmedical drug use was largely limited to the E1-E5 pay grade group, the analysis of multiple drug use is limited to that group.

Prevalence During Past 30 Days

Table III-86 depicts the percentage of E1-E5's using drugs nonmedically during the past 30 days. The dominant pattern is use of only one type of drug; 24 percent of all the E1-E5's worldwide reported using only one type of drug while 15 percent reported using more than one (7 percent used two, 4 percent used three, and 4 percent used four or more types of drugs).

The highest regional prevalence of multiple drug use among E1-E5's during the past 30 days is found in CONUS (15 percent).

Prevalence During Past 12 Months

The patterns of nonmedical multiple drug use among E1-E5's during the past 12 months are more varied than for prevalence during the past 30 days. Among all E1-E5 respondents worldwide, 26 percent reported using two or more

TABLE III-86

PERCENTAGE OF E1-E5 POPULATION USING DRUGS BY NUMBER OF DRUG TYPES USED DURING PAST 30 DAYS

GEOGRAPHICAL REGION/ NUMBER OF DRUGS	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	39	41	49	51	21
1 DRUG	24	28	26	30	15
2 DRUGS	7	6	10	8	4
3 DRUGS	4	3	7	6	1
4 OR MORE DRUGS	4	3	6	7	1
EUROPE					
TOTAL	34	40	29	*	20
1 DRUG	23	26	22	*	15
2 DRUGS	5	6	4	*	3
3 DRUGS	2	3	1	*	1
4 OR MORE DRUGS	4	5	2	*	1
PACIFIC					
TOTAL	32	36	42	36	19
1 DRUG	20	25	24	22	14
2 DRUGS	6	5	10	7	4
3 DRUGS	3	2	5	4	+
4 OR MORE DRUGS	3	3	3	4	1
OTHER LOCATIONS					
TOTAL	32	38	35	*	19
1 DRUG	23	26	25	*	16
2 DRUGS	4	6	3	*	3
3 DRUGS	2	3	2	*	+
4 OR MORE DRUGS	3	3	5	*	+
TOTAL WORLDWIDE					
TOTAL	38	40	48	48	21
1 DRUG	24	28	26	28	15
2 DRUGS	7	6	9	8	4
3 DRUGS	4	3	6	6	1
4 OR MORE DRUGS	4	4	6	6	1

* NOT APPLICABLE
+ LESS THAN HALF OF ONE PERCENT.

types of drugs while 24 percent reported using one type (Table III-87). The prevalence was higher in CONUS than in any other region; 27 percent of the E1-E5 population in CONUS reported use of two or more drugs within the preceding 12 months.

TABLE III-87

PERCENTAGE OF E1-E5 POPULATION USING DRUGS BY NUMBER OF DRUG TYPES USED DURING PAST 12 MONTHS

GEOGRAPHICAL REGION/ NUMBER OF DRUGS	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	50	52	61	62	32
1 DRUG	24	28	23	25	20
2 DRUGS	8	8	9	9	5
3 DRUGS	6	5	8	7	3
4 OR MORE DRUGS	13	11	21	21	5
EUROPE					
TOTAL	48	54	41	*	36
1 DRUG	26	28	22	*	22
2 DRUGS	7	8	10	*	5
3 DRUGS	4	5	2	*	4
4 OR MORE DRUGS	11	13	7	*	5
PACIFIC					
TOTAL	48	49	55	55	34
1 DRUG	25	30	26	25	21
2 DRUGS	8	8	9	9	5
3 DRUGS	4	3	7	5	3
4 OR MORE DRUGS	10	8	13	16	5
OTHER LOCATIONS					
TOTAL	44	51	48	*	29
1 DRUG	22	24	21	*	19
2 DRUGS	9	7	14	*	6
3 DRUGS	5	8	5	*	1
4 OR MORE DRUGS	8	11	8	*	3
TOTAL WORLDWIDE					
TOTAL	50	52	59	60	33
1 DRUG	24	28	23	25	20
2 DRUGS	8	8	9	9	5
3 DRUGS	5	5	7	6	3
4 OR MORE DRUGS	13	11	19	20	5

* NOT APPLICABLE.

Combined Use of Drugs and Alcohol

Table III-88 displays how often each of the nine types of drugs listed had been used in combination with alcohol by E1-E5's.[1] Many of these drugs act synergistically with alcohol; combined use may produce unforeseen and even dangerous effects. Marijuana or hashish is used more often with alcoholic beverages than any of the other drugs. Forty-eight percent of the E1-E5 group, worldwide, indicated they had used marijuana or hashish at least once together with alcohol and 20 percent reported combined use frequently (13 percent "very often" and 7 percent "always"). Cocaine and amphetamines or other uppers are the next most frequently reported drugs used with alcohol. Sixteen percent of E1-E5 respondents had used cocaine with alcohol and 16 percent had used amphetamines or other uppers with alcohol.

For the remaining six drug types, combined use with alcohol is less frequent, ranging from 12 percent for other hallucinogens to 3 percent for heroin.

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[1] The questionnaire did not specify a time frame; therefore the time frame could have been interpreted to encompass 30 days, past 12 months, or ever.

TABLE III-88

COMBINED USE OF DRUGS AND ALCOHOL

(PERCENTAGE OF E1-E5 POPULATION)**

DRUG TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MARIJUANA/HASHISH					
TOTAL	100	100	100	100	100
NEVER	52	50	45	40	67
ONCE	6	6	5	8	6
SOMETIMES	22	24	24	25	17
VERY OFTEN	13	12	17	17	7
ALWAYS	7	9	9	10	3
PCP					
TOTAL	100	100	100	100	100
NEVER	92	93	89	87	98
ONCE	3	3	5	4	1
SOMETIMES	3	3	5	6	1
VERY OFTEN	1	1	1	2	*
ALWAYS	1	1	1	1	*
OTHER HALLUCINOGENS					
TOTAL	100	100	100	100	100
NEVER	88	91	82	80	94
ONCE	2	2	4	3	1
SOMETIMES	6	5	10	11	3
VERY OFTEN	2	1	2	3	1
ALWAYS	1	2	2	3	1

* LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-88 (Con't)

COMBINED USE OF DRUGS AND ALCOHOL

(PERCENTAGE OF E1-E5 POPULATION)**

DRUG TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
COCAINE					
TOTAL	100	100	100	100	100
NEVER	84	85	77	75	92
ONCE	3	3	4	5	2
SOMETIMES	9	8	12	13	4
VERY OFTEN	3	2	4	5	1
ALWAYS	2	2	2	3	1
AMPHETAMINES/ OTHER UPPERS					
TOTAL	100	100	100	100	100
NEVER	84	86	76	78	91
ONCE	3	3	3	3	2
SOMETIMES	9	8	14	12	5
VERY OFTEN	3	2	5	4	1
ALWAYS	2	2	2	3	1
TRANQUILIZERS					
TOTAL	100	100	100	100	100
NEVER	93	94	89	90	97
ONCE	2	2	3	2	1
SOMETIMES	4	3	6	5	2
VERY OFTEN	1	1	2	1	+
ALWAYS	1	1	1	1	+

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE III-88 (Con't)

COMBINED USE OF DRUGS AND ALCOHOL

(PERCENTAGE OF E1-E5 POPULATION)**

DRUG TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BARBITURATES/ OTHER DOWNERS					
TOTAL	100	100	100	100	100
NEVER	91	92	88	87	96
ONCE	2	2	3	4	1
SOMETIMES	4	4	5	6	2
VERY OFTEN	1	1	2	1	+
ALWAYS	1	1	1	1	+
HEROIN					
TOTAL	100	100	100	100	100
NEVER	97	96	97	98	99
ONCE	1	1	1	1	+
SOMETIMES	1	2	1	1	+
VERY OFTEN	+	+	+	+	+
ALWAYS	1	1	1	+	+
OTHER OPIATES					
TOTAL	100	100	100	100	100
NEVER	94	94	91	90	97
ONCE	2	2	2	3	1
SOMETIMES	3	3	5	4	1
VERY OFTEN	1	1	1	1	+
ALWAYS	1	1	1	1	+

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Drug Dependence

Any operational definition of drug dependence is likely to be controversial. The controversy is particularly sharp when one attempts to differentiate between "physiological" and "psychological" dependence.

For the purpose of this analysis, a person is defined as having been physiologically drug dependent during the past 12 months if he or she falls in one or more of the following categories:

1. Used one of the following drugs nonmedically at least five times per week during the past 30 days: barbiturates/other downers, heroin, or other opiates.
2. Experienced sickness (i.e., withdrawal symptoms) because use of addictive drugs was stopped; symptoms include: "runny nose or eyes," "flushed or sweaty," "chills," "nausea or vomiting," "stomach cramps," "diarrhea," "muscle pains," etc.
3. Was detoxified because of drug use.

Simply stated, the rationale for this operational definition of drug dependence is based on a body of knowledge that a person who was physiologically drug dependent must be in at least one of the three categories. It is also recognized that there may be cross tolerances between certain drugs; in such cases, one may substitute one drug for another without experiencing withdrawal symptoms. A notable example is heroin and methadone; addicts commonly substitute methadone when heroin is not available. This substitution avoids withdrawals symptoms. For this reason, this operational definition of addiction does not rigidly require use of a particular drug every day, but rather nearly every day.

It is also commonly recognized that a person who discontinues use of the drug on which he or she is physiologically dependent will experience one or more of the withdrawal symptoms stated in (2) above unless he or she is detoxified under medical supervision. Thus, a person who experienced withdrawal symptoms after discontinuing use of an addictive drug or who was detoxified is also classified as having been physiologically dependent.

For the purpose of this analysis, a person is classified as psychologically drug dependent who experiences sickness (i.e., withdrawal symptoms) because he or she stopped use of one or more non-addictive drugs; the symptoms are the same as defined earlier for physiological addiction. It is possible that a person experiencing withdrawal symptoms after stopping use of addictive drugs is really psychologically rather than physiologically dependent. But such a distinction may be difficult to make in a clinical setting and is impossible to make on the basis of survey findings.

Table III-89 depicts the percentage of E1-E5 respondents who were drug dependent at some time during the preceding 12 months. Two totals are presented: (1) the percentage of respondents who were physiologically dependent (i.e., who either used an addictive drug at least five times per week during the past 30 days, or became sick--experienced

TABLE III-89

DEPENDENCE ON DRUGS DURING PAST 12 MONTHS
(PERCENTAGE OF E1-E5 POPULATION)

DEPENDENCE CRITERIA	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
USED AN ADDICTIVE DRUG AT LEAST 5 TIMES A WEEK 1/.....	1	1	1	1	+
SICK BECAUSE STOPPED USING ADDICTIVE DRUG........	2	2	2	2	+
DETOXIFIED BECAUSE OF DRUG USE...........	1	1	1	1	+
SICK BECAUSE STOPPED USING NONADDICTIVE DRUG 2/...............	2	2	2	2	+
TOTAL IN 1, 2, OR 3*.....	3	4	3	4	1
TOTAL IN 1, 2, 3 OR 4* ..	4	5	4	5	1

1/ ADDICTIVE DRUGS: BARBITURATES/ OTHER DOWNERS, HEROIN, OR OTHER OPIATES.

2/ NONADDICTIVE DRUGS: MARIJUANA/ HASHISH, PCP, OTHER HALLUCINOGENS, AMPHETAMINES/OTHER UPPERS, COCAINE, GLUES/ OR INHALANTS.

+ LESS THAN HALF OF ONE PERCENT.

* UNDUPLICATED COUNT: AN INDIVIDUAL IS COUNTED ONLY ONCE IF HE FALLS IN MORE THAN ONE CRITERIA CATEGORY.

withdrawal symptoms as described above--because they stopped using an addictive drug during the past 12 months, *or* were detoxified because of drug use in the past 12 months); (2 the percentage of respondents who were either physiologically or psychologically drug dependent (i.e., who experienced withdrawal symptoms because they stopped using non-addictive drugs *or* were in the first total). Thus, the "total in 1, 2, 3 or 4" represents an unduplicated count of persons who were physiologically dependent, psychologically dependent, or both physiologically and psychologically dependent.

Three percent of the respondents were classified as physiologically drug dependent in the first total (i.e., "1, 2, or 3"). Adding the respondents who reported only withdrawal symptoms after ceasing use of non-addictive drugs increases the total DOD prevalence by 1 percent (from 3 to 4 percent). This is because some respondents were *both* physiologically and psychologically dependent on drugs.

Consequences of Drug Use

The respondents were asked to indicate whether certain physical, social or work consequences had occurred because of their use of drugs during the past 12 months.

First, two general consequences that stem immediately from drug use are considered: "used more drugs than planned" and being "high more than one day at time." Table III-90 shows that 10 percent of E1-E5 respondents reported they had "used more drugs than planned" at least once during the preceding 12 months and 17 percent reported being "high more than one day at a time." Nineteen percent indicated they had suffered at least one of these consequences during that period.

A further consideration is 15 more specific consequences of drug use. Table III-91 depicts the percentage of E1-E5 respondents who reported each of these 15 physical, social, or work consequences had occurred at least once during the preceding 12 months. It is believed that this set of consequences constitutes a superior indication of hard core drug problems than the first set described above. There was considerable overlap in responses among the 15 specific consequences. This implies, for example, that a person who received judicial or Article 15 punishment because of drug use might also have failed to get promoted. The total figures in Table III-91 show that 10 percent of E1-E5 respondents reported at least one of the 15 consequences had occurred during the preceding 12 months.

TABLE III-90

GENERAL CONSEQUENCES OF DRUG USE DURING PAST 12 MONTHS

(PERCENTAGE OF E1-E5 POPULATION)

CONSEQUENCES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
USED MORE DRUGS THAN PLANNED	10	9	13	14	6
HIGH MORE THAN ONE DAY AT A TIME	17	16	22	24	9
TOTAL WITH EITHER CONSEQUENCE	19	18	25	27	11

TABLE III-91

SPECIFIC CONSEQUENCES OF DRUG USE DURING PAST 12 MONTHS

(PERCENTAGE OF E1-E5 POPULATION)

CONSEQUENCES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	2	3	1	2	+
DIDN'T GET PROMOTED	3	4	3	5	1
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	3	3	3	5	1
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	4	5	4	5	2
ARRESTED FOR DRIVING AFTER USING DRUGS	1	2	1	2	1
ARRESTED FOR NON-DRIVING DRUG INCIDENT	4	4	4	6	2
INCARCERATED DUE TO DRUG USE	2	1	2	3	1
HURT IN ACCIDENT CONNECTED WITH DRUG USE	2	2	2	2	+
DRUG USE CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	1	1	2	2	1
SPOUSE THREATENED TO LEAVE	2	2	2	2	1
HIT SPOUSE OR CHILDREN	1	1	1	1	+
SPOUSE LEFT	1	1	1	1	+
ENTERED REHABILITATION OR TREATMENT PROGRAM	2	2	1	2	2
ATTENDED TRAINING OR EDUCATION PROGRAM	2	3	1	3	1
DETOXIFIED	1	1	1	1	+
TOTAL WITH ANY CONSEQUENCES[a]	10	11	13	15	5

[a] PERCENTAGE OF POPULATION REPORTING AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN ONE-HALF OF ONE PERCENT.

Another analysis investigated the extent to which respondents reported at least one of the 17 consequences of drug use occurring (i.e., combing the two general consequences and the 15 specific consequences). Twenty-three percent of the El-E5 respondents indicated that at least one of the 17 consequences had occurred at least once during the past 12 months.[1]

The number of times any of the 17 general and specific consequences occurred is depicted in Table III-92. Among the respondents who had suffered any consequences, the median number of times a consequence had occurred was three.

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[1] The percentage by Service were: Army, 23 percent; Navy, 30 percent; Marine Corps, 31 percent; and Air Force, 13 percent.

TABLE III-92

NUMBER OF TIMES ANY CONSEQUENCE OF DRUG USE OCCURRED DURING PAST 12 MONTHS

(PERCENTAGE OF E1-E5 POPULATION)**

NUMBER OF TIMES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL	100	100	100	100	100
0	77	77	70	69	87
1	3	3	4	4	2
2	2	2	2	3	2
3	8	7	11	9	4
4	2	1	2	2	1
5	1	1	1	2	1
6-8	5	6	7	7	2
9-11	1	1	1	2	+
12-14	1	1	1	1	+
15-19	+	1	+	1	+
20 OR MORE	+	1	+	1	+

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Work Impairment Because of Drug Use

Another way of investigating consequences of drug use is to focus on the extent to which a person's drug use affects his or her work performance. Table III-93 shows the proportion of respondents who reported that their use of drugs had impaired their ability to work during the past 12 months.

Four types of work impairment are considered (the verbatim questions are in parentheses):

- Lowered Performance ("I did not work at my normal level of performance because of my use of drugs.")
- Late For Work/Left Early ("I was late for work or left early because of my use of drugs.")
- Did Not Come To Work ("I did not come to work because of my use of drugs.")
- High While Working ("I was high while working because of my use of drugs.")

The type of work impairment most frequently reported was "high while working" (19 percent); nearly half of these respondents (9 percent) reported experiencing this on 40 or more days during the preceding 12 months. Substantially lower proportions of respondents reported other work consequences (lowered performance, 10 percent; late for work or left early, 6 percent; did not come to work, 4 percent).

The last row in Table III-93 labeled "TOTAL WITH ANY IMPAIRMENT" reflects unduplicated counts of the proportion of E1-E5 respondents who reported having experienced any one or more of the four types of work impairment because of drug use. Twenty-one percent of all E1-E5 respondents indicated

TABLE III-93

WORK IMPAIRMENT DUE TO DRUG USE DURING PAST 12 MONTHS
(PERCENTAGE OF E1-E5 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	90	88	85	87	97
1	2	2	3	3	1
2-3	2	3	3	3	1
4-11	2	2	4	3	1
12-39	1	1	2	1	+
40 OR MORE	3	3	4	3	+
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	94	92	92	92	98
1	1	2	1	2	1
2-3	1	1	2	2	1
4-11	1	1	2	1	+
12-39	1	1	1	+	+
40 OR MORE	2	3	2	2	+
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	96	94	96	95	99
1	1	1	1	1	+
2-3	1	1	1	1	+
4-11	+	1	+	+	+
12-39	+	1	+	+	+
40 OR MORE	2	3	2	2	+
HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	81	79	74	75	92
1	2	2	2	3	1
2-3	3	3	3	3	1
4-11	3	4	4	3	2
12-39	3	3	4	4	1
40 OR MORE	9	9	13	12	3
TOTAL WITH ANY IMPAIRMENT 1/	21	22	28	28	9

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT AT LEAST ONCE DURING PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

they had experienced at least one work impairment. Since this figure is only slightly larger than the percentage (19 percent) reporting that they were "high while working," it is apparent that nearly all of the persons who suffered one or more consequences reported being "high while working."

IV. ALCOHOL USE

This chapter is organized to proceed sequentially from what would be considered "normal" to more "pathological" drinking behavior and finally to consequences of alcohol use. The following issues are addressed sequentially:

- What is the prevalence of drinking different types of alcoholic beverages (i.e., beer, wine, hard liquor) among military personnel?
- How frequently is each type of alcoholic beverage consumed?
- What is the quantity of each beverage consumed on a "typical" drinking day?
- How frequently do military personnel engage in "heavy drinking" (i.e., consume eight or more drinks in a single day)?
- What proportion of military personnel suffer from "adverse physiological effects" of alcohol?
- What proportion of military personnel are "alcohol dependent?"
- What proportion of military personnel suffer certain consequences of alcohol use?
- To what extent does alcohol use cause work impairment among military personnel?

Prevalence of Alcohol Use

The respondents were questioned in detail about their drinking behavior. Questions focused on: (1) length of time since last use of alcohol, (2) whether they drank at all during the past 30 days, (3) their frequency of drinking each type of alcoholic beverage during the past 30 days, (4) the quantity of each beverage consumed on a typical drinking day during the past 30 days and (5) the frequency of consuming eight or more cans, glasses, or drinks during the past 12 months.

Length of Time Since Last Use of Alcohol

The data in Table IV-1 show the length of time since the individual had his or her last drink. Only 8 percent of the respondents said that either they had never used alcohol (4 percent) or that it had been more than 12 months since they had had a drink (another 4 percent). Thus it can be said that practically all of the servicemembers drink an alcoholic beverage at least once in a while.

TABLE IV-1

LENGTH OF TIME SINCE LAST USE OF ALCOHOL
(PERCENTAGE OF POPULATION)**

LAST USE/ PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
WITHIN 1 MONTH	83	81	88	86	82
1-3 MONTHS	6	6	5	5	6
4-6 MONTHS	2	2	2	2	2
7-12 MONTHS	1	2	1	1	1
MORE THAN 1 YEAR	3	4	2	2	4
NEVER USED ALCOHOL	4	6	2	3	4
E6-E9					
TOTAL	100	100	100	100	100
WITHIN 1 MONTH	77	75	78	83	78
1-3 MONTHS	8	6	9	5	9
4-6 MONTHS	2	3	3	2	2
7-12 MONTHS	2	2	2	2	2
MORE THAN 1 YEAR	7	8	6	6	6
NEVER USED ALCOHOL	4	7	2	2	3
O1-O3					
TOTAL	100	100	100	100	100
WITHIN 1 MONTH	83	80	88	91	82
1-3 MONTHS	4	6	2	2	5
4-6 MONTHS	2	1	2	1	2
7-12 MONTHS	1	1	+	0	2
MORE THAN 1 YEAR	5	7	5	3	4
NEVER USED ALCOHOL	4	5	3	4	5
O4-O6					
TOTAL	100	100	100	100	100
WITHIN 1 MONTH	91	92	94	84	90
1-3 MONTHS	4	4	5	7	2
4-6 MONTHS	+	0	0	3	1
7-12 MONTHS	+	0	0	0	1
MORE THAN 1 YEAR	3	1	1	7	5
NEVER USED ALCOHOL	2	3	+	0	1
TOTAL DOD*					
TOTAL	100	100	100	100	100
WITHIN 1 MONTH	83	80	86	86	82
1-3 MONTHS	6	6	6	5	6
4-6 MONTHS	2	2	2	2	2
7-12 MONTHS	1	1	1	1	2
MORE THAN 1 YEAR	4	5	3	3	4
NEVER USED ALCOHOL	4	6	2	3	4

* FIGURES INCLUDE W1-W4'S.

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Drinking During The Past 30 Days

The percentage of respondents who reported they drank any alcohol at all during the preceding 30 days appears in Table IV-2; also shown are figures by Service. In interpreting this table, appropriate consideration should be given to the fact that mere consumption of any alcohol is obviously not of the same importance as is heavy drinking and getting into problems over one's drinking, which are discussed later in this report. The main point to be derived from the findings is that most military personnel drink at least occasionally: 83 percent of the respondents had drunk some alcoholic beverage within the past 30 days; and in none of the subgroups did less than seven out of ten indicate they had something alcoholic to drink during the past 30 days.

In general, the highest rates of drinking at least a little were recorded for senior officers, followed by junior officers or junior enlisted personnel, senior enlisted personnel and warrant officers.

Differences among the four geographic regions in prevalence of current drinking are generally not large. The highest rates appear for personnel in Europe, the lowest in Other Locations.

Frequency of Drinking During Past 30 Days

Here, we present findings separately on quantity and frequency of use for each of the three types of alcoholic beverages.

TABLE IV-2

POPULATION USING ALCOHOL DURING PAST 30 DAYS (PERCENTAGE)

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	82	79	86	87	80
E1-E5	83	79	88	87	81
E6-E9	76	72	78	84	75
O1-O3	82	78	87	92	81
O4-O6	92	92	98	81	90
EUROPE					
TOTAL	85	83	89	*	89
E1-E5	86	84	89	*	90
E6-E9	81	79	85	*	85
O1-O3	87	83	91	*	92
O4-O6	96	-	97	*	94
PACIFIC					
TOTAL	83	82	83	83	82
E1-E5	82	81	85	84	80
E6-E9	81	83	79	80	85
O1-O3	89	89	91	-	87
O4-O6	84	86	-	-	94
OTHER LOCATIONS					
TOTAL	78	75	84	*	74
E1-E5	78	77	84	*	74
E6-E9	77	71	83	*	75
O1-O3	81	-	-	*	-
O4-O6	83	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	83	80	86	86	82
E1-E5	83	81	88	86	82
E6-E9	77	75	78	83	78
W1-W4	76	76	80	-	*
O1-O3	83	80	88	91	82
O4-O6	91	92	94	84	90

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

NOTE: REGIONAL TOTALS INCLUDE W1-W4'S.

Frequency of Current Use of Each Beverage

Table IV-3 shows that, for all respondents combined, beer was the most commonly consumed beverage; it was drunk by 73 percent of all military personnel at least once within the last 30 days, and by about one-fourth (26 percent) at least three times a week. Hard liquor (including mixed drinks) was consumed by about one-half of the respondents (51 percent) within the past 30 days, but only 8 percent drank hard liquor as often as three times a week. Wine was the least frequently consumed beverage, only 35 percent of the military personnel had drunk any wine during the past 30 days, and only 4 percent had done so as often as three times a week.

Current Use Patterns By Pay Grade Group

Frequency of current alcohol use, worldwide, is depicted for each pay grade group in Tables IV-4 through IV-8. Senior enlisted personnel reported generally lower frequencies of drinking during the past 30 days than did junior enlisted personnel (Table IV-5). The data for warrant officers (Table IV-6) show they have generally lower rates of drinking than enlisted personnel.

Junior officer respondents (Table IV-7) reported generally lower frequencies of drinking during the past 30 days than did enlisted personnel. The exception was for wine; their frequency of wine consumption was higher than that among senior enlisted personnel and was roughly equivalent to the frequency reported by junior enlisted personnel.

TABLE IV-3

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
TOTAL DOD
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	4	6	4	5	2
5-6 DAYS A WEEK........	7	7	9	8	5
3-4 DAYS A WEEK........	15	14	17	17	12
1-2 DAYS A WEEK........	20	20	20	23	20
LESS THAN ONCE A WEEK..	27	25	27	25	30
DID NOT DRINK..........	27	28	22	22	31
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	1	1	1	1	+
5-6 DAYS A WEEK........	1	1	1	1	1
3-4 DAYS A WEEK........	2	2	3	2	2
1-2 DAYS A WEEK........	8	8	6	6	8
LESS THAN ONCE A WEEK..	23	20	24	20	28
DID NOT DRINK..........	65	68	66	71	60
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	1	1	1	1	1
5-6 DAYS A WEEK........	2	2	2	2	1
3-4 DAYS A WEEK........	5	5	5	5	4
1-2 DAYS A WEEK........	13	13	14	15	11
LESS THAN ONCE A WEEK..	31	28	32	29	33
DID NOT DRINK..........	49	51	45	49	50

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE IV-4

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E1-E5'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	5	7	5	5	3
5-6 DAYS A WEEK	8	8	11	9	5
3-4 DAYS A WEEK	16	16	19	19	14
1-2 DAYS A WEEK	21	22	21	23	21
LESS THAN ONCE A WEEK	25	22	25	24	28
DID NOT DRINK	24	25	19	20	29
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	+
5-6 DAYS A WEEK	1	1	1	1	1
3-4 DAYS A WEEK	2	2	2	1	2
1-2 DAYS A WEEK	7	9	6	6	7
LESS THAN ONCE A WEEK	21	18	22	17	26
DID NOT DRINK	68	69	68	74	65
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	1
5-6 DAYS A WEEK	2	2	3	2	1
3-4 DAYS A WEEK	5	5	6	5	4
1-2 DAYS A WEEK	14	14	17	16	11
LESS THAN ONCE A WEEK	30	26	31	29	34
DID NOT DRINK	48	52	42	48	50

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-5

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E6-E9'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	3	5	3	3	1
5-6 DAYS A WEEK	6	6	5	5	6
3-4 DAYS A WEEK	12	11	14	13	11
1-2 DAYS A WEEK	17	15	17	26	17
LESS THAN ONCE A WEEK	30	29	30	25	33
DID NOT DRINK	32	34	32	28	32
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	1	+	+	+
5-6 DAYS A WEEK	1	+	+	0	1
3-4 DAYS A WEEK	1	1	2	1	2
1-2 DAYS A WEEK	4	3	4	3	7
LESS THAN ONCE A WEEK	19	16	18	23	22
DID NOT DRINK	75	79	75	74	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	+	+	1
5-6 DAYS A WEEK	1	1	1	2	1
3-4 DAYS A WEEK	4	5	3	4	4
1-2 DAYS A WEEK	9	10	8	14	10
LESS THAN ONCE A WEEK	28	27	31	24	28
DID NOT DRINK	56	56	56	55	56

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-6

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
W1-W4'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	-	*
EVERY DAY..............	2	1	3		*
5-6 DAYS A WEEK........	4	2	4		*
3-4 DAYS A WEEK........	5	4	9		*
1-2 DAYS A WEEK........	20	19	17		*
LESS THAN ONCE A WEEK..	32	36	38		*
DID NOT DRINK..........	38	39	29		*
WINE					
TOTAL..................	100	100	100	-	*
EVERY DAY..............	0	0	0		*
5-6 DAYS A WEEK........	0	0	0		*
3-4 DAYS A WEEK........	1	+	5		*
1-2 DAYS A WEEK........	5	6	5		*
LESS THAN ONCE A WEEK..	26	20	42		*
DID NOT DRINK..........	68	73	48		*
HARD LIQUOR					
TOTAL..................	100	100	100	-	*
EVERY DAY..............	+	0	1		*
5-6 DAYS A WEEK........	2	3	0		*
3-4 DAYS A WEEK........	2	+	8		*
1-2 DAYS A WEEK........	10	12	8		*
LESS THAN ONCE A WEEK..	30	31	31		*
DID NOT DRINK..........	56	54	52		*

* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-7

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
01-03'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL...................	100	100	100	100	100
EVERY DAY..............	1	1	1	3	1
5-6 DAYS A WEEK.........	4	4	8	8	3
3-4 DAYS A WEEK.........	10	8	14	16	9
1-2 DAYS A WEEK.........	18	15	19	16	21
LESS THAN ONCE A WEEK..	33	32	33	40	32
DID NOT DRINK...........	33	40	25	18	35
WINE					
TOTAL...................	100	100	100	100	100
EVERY DAY..............	+	0	+	0	+
5-6 DAYS A WEEK.........	1	1	1	2	2
3-4 DAYS A WEEK.........	3	5	3	2	2
1-2 DAYS A WEEK.........	11	10	10	9	13
LESS THAN ONCE A WEEK..	39	39	39	30	42
DID NOT DRINK...........	45	46	46	57	40
HARD LIQUOR					
TOTAL...................	100	100	100	100	100
EVERY DAY..............	1	1	1	2	1
5-6 DAYS A WEEK.........	1	1	2	0	+
3-4 DAYS A WEEK.........	3	3	3	5	2
1-2 DAYS A WEEK.........	10	7	8	9	12
LESS THAN ONCE A WEEK..	39	40	42	44	35
DID NOT DRINK...........	47	48	44	41	49

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-8

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
O4-O6'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	3	1	2	3
5-6 DAYS A WEEK........	3	1	3	2	5
3-4 DAYS A WEEK........	10	10	6	13	11
1-2 DAYS A WEEK........	21	20	28	18	18
LESS THAN ONCE A WEEK..	36	34	43	36	35
DID NOT DRINK..........	28	32	18	28	29
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	0	7	1	2
5-6 DAYS A WEEK........	5	6	3	5	6
3-4 DAYS A WEEK........	8	6	6	8	11
1-2 DAYS A WEEK........	18	20	13	14	19
LESS THAN ONCE A WEEK..	42	40	50	43	38
DID NOT DRINK..........	25	28	21	29	23
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	1	2	6	2
5-6 DAYS A WEEK........	4	4	2	1	6
3-4 DAYS A WEEK........	8	5	7	13	10
1-2 DAYS A WEEK........	14	15	13	10	15
LESS THAN ONCE A WEEK..	40	46	45	30	33
DID NOT DRINK..........	32	28	33	39	34

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

The senior officers group, as a whole, reported frequencies of beer consumption similar to those reported by junior officers. However, their frequencies of wine and hard liquor consumption were higher than those for any other pay grade group. For example, 15 percent of the O4-O6's reported drinking wine at least three days a week compared to 4 percent of the next highest wine consuming group (i.e., the E1-E5's). Comparable figures for hard liquor were: O4-O6's, 14 percent and E1-E5's, 8 percent.

Regional Patterns

Frequency of use of alcoholic beverages during the past 30 days is shown for each region and pay grade group in Tables IV-9 through IV-24.

The most consistent pattern of alcohol use among the regions is the higher rates of wine drinking in Europe, by all pay grade groups, compared to other regions. However, relatively few junior enlisted personnel in any region drank wine as often as three times a week. Some differences in regional drinking frequency patterns do appear for the officer groups, but they are based on small sample sizes.

TABLE IV 9

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E1-E5'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	5	7	5	6	3
5-6 DAYS A WEEK	8	8	11	9	5
3-4 DAYS A WEEK	16	15	20	19	13
1-2 DAYS A WEEK	22	22	22	24	21
LESS THAN ONCE A WEEK	25	23	25	25	28
DID NOT DRINK	24	26	18	18	30
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	+
5-6 DAYS A WEEK	1	1	1	1	1
3-4 DAYS A WEEK	2	1	2	2	1
1-2 DAYS A WEEK	6	8	6	6	6
LESS THAN ONCE A WEEK	19	15	21	18	24
DID NOT DRINK	71	74	70	73	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	1
5-6 DAYS A WEEK	2	2	3	2	1
3-4 DAYS A WEEK	4	4	6	4	3
1-2 DAYS A WEEK	14	14	18	15	10
LESS THAN ONCE A WEEK	30	26	31	29	33
DID NOT DRINK	49	53	41	50	52

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-10

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E6-E9'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	3	4	3	2	2
5-6 DAYS A WEEK	5	5	5	5	5
3-4 DAYS A WEEK	11	10	13	12	9
1-2 DAYS A WEEK	17	16	16	29	16
LESS THAN ONCE A WEEK	31	28	30	26	35
DID NOT DRINK	34	36	33	27	34
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	+	0
5-6 DAYS A WEEK	+	+	+	0	1
3-4 DAYS A WEEK	2	1	2	+	2
1-2 DAYS A WEEK	4	3	3	3	5
LESS THAN ONCE A WEEK	16	11	16	24	19
DID NOT DRINK	79	85	78	72	73
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	+	0	1
5-6 DAYS A WEEK	2	2	2	2	1
3-4 DAYS A WEEK	3	4	3	3	3
1-2 DAYS A WEEK	9	9	8	15	8
LESS THAN ONCE A WEEK	27	24	32	26	27
DID NOT DRINK	58	60	56	55	59

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-11

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
O1-O3'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	+	4	1
5-6 DAYS A WEEK	4	4	8	7	2
3-4 DAYS A WEEK	10	8	15	15	7
1-2 DAYS A WEEK	18	14	19	17	21
LESS THAN ONCE A WEEK	34	34	34	41	33
DID NOT DRINK	33	39	24	17	36
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	0	0	1
5-6 DAYS A WEEK	1	0	1	2	2
3-4 DAYS A WEEK	2	3	2	3	2
1-2 DAYS A WEEK	10	10	9	6	11
LESS THAN ONCE A WEEK	39	37	40	32	42
DID NOT DRINK	47	50	48	57	43
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	2	1
5-6 DAYS A WEEK	1	1	2	0	0
3-4 DAYS A WEEK	3	2	3	5	2
1-2 DAYS A WEEK	10	7	8	11	12
LESS THAN ONCE A WEEK	38	41	42	39	34
DID NOT DRINK	48	48	44	43	51

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-12

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
04-06'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	2	0	1	3
5-6 DAYS A WEEK........	3	0	4	3	4
3-4 DAYS A WEEK........	9	10	3	14	11
1-2 DAYS A WEEK........	20	19	30	17	18
LESS THAN ONCE A WEEK..	38	34	52	39	33
DID NOT DRINK..........	28	36	11	26	31
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	0	8	1	1
5-6 DAYS A WEEK........	6	7	4	5	6
3-4 DAYS A WEEK........	7	5	1	10	12
1-2 DAYS A WEEK........	17	19	12	13	19
LESS THAN ONCE A WEEK..	42	38	56	40	38
DID NOT DRINK..........	25	30	18	31	24
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	2	1	7	2
5-6 DAYS A WEEK........	5	5	1	2	6
3-4 DAYS A WEEK........	7	5	4	14	9
1-2 DAYS A WEEK........	14	16	11	10	16
LESS THAN ONCE A WEEK..	42	47	58	30	32
DID NOT DRINK..........	30	26	26	38	35

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-13

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E1-E5'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	7	9	3	*	4
5-6 DAYS A WEEK........	8	9	7	*	6
3-4 DAYS A WEEK........	16	17	11	*	15
1-2 DAYS A WEEK........	21	22	16	*	19
LESS THAN ONCE A WEEK..	23	20	27	*	30
DID NOT DRINK..........	25	23	37	*	26
WINE					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	1	2	*	1
5-6 DAYS A WEEK........	1	1	1	*	1
3-4 DAYS A WEEK........	3	3	6	*	4
1-2 DAYS A WEEK........	12	12	14	*	12
LESS THAN ONCE A WEEK..	28	24	42	*	37
DID NOT DRINK..........	54	59	36	*	46
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	2	0	*	+
5-6 DAYS A WEEK........	2	3	1	*	2
3-4 DAYS A WEEK........	6	7	5	*	4
1-2 DAYS A WEEK........	14	14	11	*	14
LESS THAN ONCE A WEEK..	29	26	33	*	36
DID NOT DRINK..........	47	48	50	*	44

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-14

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E6-E9'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	5	7	2	*	+
5-6 DAYS A WEEK........	8	9	2	*	9
3-4 DAYS A WEEK........	13	11	19	*	17
1-2 DAYS A WEEK........	15	14	20	*	18
LESS THAN ONCE A WEEK..	30	30	31	*	28
DID NOT DRINK..........	29	30	26	*	27
WINE					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	1	1	*	0
5-6 DAYS A WEEK........	1	1	0	*	3
3-4 DAYS A WEEK........	1	+	7	*	2
1-2 DAYS A WEEK........	8	5	15	*	14
LESS THAN ONCE A WEEK..	28	25	37	*	34
DID NOT DRINK..........	60	67	40	*	48
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	2	1	*	1
5-6 DAYS A WEEK........	1	1	2	*	1
3-4 DAYS A WEEK........	7	7	4	*	7
1-2 DAYS A WEEK........	10	10	13	*	11
LESS THAN ONCE A WEEK..	32	32	25	*	33
DID NOT DRINK..........	49	49	55	*	46

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-15

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
01-03'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
EVERY DAY	1	0	10	*	0
5-6 DAYS A WEEK	5	4	3	*	8
3-4 DAYS A WEEK	12	11	5	*	15
1-2 DAYS A WEEK	20	21	23	*	18
LESS THAN ONCE A WEEK	23	20	25	*	28
DID NOT DRINK	39	45	34	*	30
WINE					
TOTAL	100	100	100	*	100
EVERY DAY	+	0	3	*	0
5-6 DAYS A WEEK	2	2	0	*	3
3-4 DAYS A WEEK	13	12	35	*	6
1-2 DAYS A WEEK	18	11	15	*	30
LESS THAN ONCE A WEEK	40	41	25	*	44
DID NOT DRINK	26	33	22	*	17
HARD LIQUOR					
TOTAL	100	100	100	*	100
EVERY DAY	+	0	0	*	1
5-6 DAYS A WEEK	1	0	0	*	2
3-4 DAYS A WEEK	5	7	7	*	0
1-2 DAYS A WEEK	9	8	7	*	10
LESS THAN ONCE A WEEK	37	31	42	*	45
DID NOT DRINK	49	54	43	*	43

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-16

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
04-06'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	100	*	100
EVERY DAY	5		0	*	2
5-6 DAYS A WEEK	6		5	*	8
3-4 DAYS A WEEK	12		14	*	11
1-2 DAYS A WEEK	25		16	*	18
LESS THAN ONCE A WEEK	35		30	*	46
DID NOT DRINK	17		35	*	14
WINE					
TOTAL	100	-	100	*	100
EVERY DAY	3		8	*	5
5-6 DAYS A WEEK	4		4	*	6
3-4 DAYS A WEEK	14		22	*	14
1-2 DAYS A WEEK	27		24	*	22
LESS THAN ONCE A WEEK	42		25	*	43
DID NOT DRINK	10		17	*	10
HARD LIQUOR					
TOTAL	100	-	100	*	100
EVERY DAY	1		0	*	3
5-6 DAYS A WEEK	2		7	*	3
3-4 DAYS A WEEK	10		14	*	16
1-2 DAYS A WEEK	13		18	*	12
LESS THAN ONCE A WEEK	47		27	*	38
DID NOT DRINK	27		34	*	28

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-17

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E1-E5'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	4	5	5	4	3
5-6 DAYS A WEEK........	9	7	12	10	7
3-4 DAYS A WEEK........	18	15	21	19	15
1-2 DAYS A WEEK........	20	19	18	19	22
LESS THAN ONCE A WEEK..	23	25	22	23	24
DID NOT DRINK..........	27	29	23	25	30
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	+	+	1	+	+
5-6 DAYS A WEEK........	1	1	2	1	1
3-4 DAYS A WEEK........	3	4	3	1	3
1-2 DAYS A WEEK........	8	11	8	6	8
LESS THAN ONCE A WEEK..	21	21	24	16	24
DID NOT DRINK..........	67	63	63	76	64
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	1	1	1	2	+
5-6 DAYS A WEEK........	2	2	4	2	2
3-4 DAYS A WEEK........	6	5	7	7	5
1-2 DAYS A WEEK........	16	15	15	19	15
LESS THAN ONCE A WEEK..	30	28	28	29	33
DID NOT DRINK..........	44	48	45	41	44

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-18

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E6-E9'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	3	5	2	4	1
5-6 DAYS A WEEK	6	5	7	7	5
3-4 DAYS A WEEK	15	11	17	16	16
1-2 DAYS A WEEK	19	18	19	19	22
LESS THAN ONCE A WEEK	28	31	27	22	29
DID NOT DRINK	29	29	28	32	27
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	0
5-6 DAYS A WEEK	1	0	1	0	2
3-4 DAYS A WEEK	1	1	1	2	+
1-2 DAYS A WEEK	4	2	5	1	7
LESS THAN ONCE A WEEK	23	20	26	19	25
DID NOT DRINK	71	77	68	78	66
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	2	1
5-6 DAYS A WEEK	1	2	1	4	+
3-4 DAYS A WEEK	5	4	5	7	5
1-2 DAYS A WEEK	12	12	8	11	17
LESS THAN ONCE A WEEK	27	28	27	20	29
DID NOT DRINK	54	54	58	56	48

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-19

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
O1-O3'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	-	100
EVERY DAY	3	3	5		3
5-6 DAYS A WEEK	6	4	8		3
3-4 DAYS A WEEK	13	5	13		17
1-2 DAYS A WEEK	19	24	14		25
LESS THAN ONCE A WEEK	33	41	33		24
DID NOT DRINK	25	23	27		28
WINE					
TOTAL	100	100	100	-	100
EVERY DAY	+	0	1		0
5-6 DAYS A WEEK	1	3	1		0
3-4 DAYS A WEEK	2	8	0		2
1-2 DAYS A WEEK	14	9	16		15
LESS THAN ONCE A WEEK	40	45	36		49
DID NOT DRINK	42	34	46		34
HARD LIQUOR					
TOTAL	100	100	100	-	100
EVERY DAY	+	0	0		1
5-6 DAYS A WEEK	2	3	1		2
3-4 DAYS A WEEK	4	3	3		7
1-2 DAYS A WEEK	10	10	11		17
LESS THAN ONCE A WEEK	48	46	45		43
DID NOT DRINK	36	37	39		30

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-20

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
04-06'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	-	-	100
EVERY DAY..............	3	2			6
5-6 DAYS A WEEK........	3	2			9
3-4 DAYS A WEEK........	13	12			8
1-2 DAYS A WEEK........	22	16			24
LESS THAN ONCE A WEEK..	24	32			34
DID NOT DRINK..........	36	35			19
WINE					
TOTAL..................	100	100	-	-	100
EVERY DAY..............	0	0			0
5-6 DAYS A WEEK........	1	0			0
3-4 DAYS A WEEK........	11	4			0
1-2 DAYS A WEEK........	12	8			24
LESS THAN ONCE A WEEK..	43	48			41
DID NOT DRINK..........	33	39			35
HARD LIQUOR					
TOTAL..................	100	100	-	-	100
EVERY DAY..............	2	0			5
5-6 DAYS A WEEK........	1	2			2
3-4 DAYS A WEEK........	12	9			13
1-2 DAYS A WEEK........	15	9			20
LESS THAN ONCE A WEEK..	20	31			41
DID NOT DRINK..........	51	48			19

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-21

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E1-E5'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
EVERY DAY	3	5	1	*	2
5-6 DAYS A WEEK	8	9	9	*	5
3-4 DAYS A WEEK	16	15	20	*	13
1-2 DAYS A WEEK	17	22	13	*	14
LESS THAN ONCE A WEEK	26	27	27	*	23
DID NOT DRINK	30	22	30	*	43
WINE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	1
5-6 DAYS A WEEK	+	0	1	*	0
3-4 DAYS A WEEK	1	1	1	*	0
1-2 DAYS A WEEK	6	5	8	*	4
LESS THAN ONCE A WEEK	19	17	21	*	20
DID NOT DRINK	74	77	68	*	75
HARD LIQUOR					
TOTAL	100	100	100	*	100
EVERY DAY	1	2	1	*	1
5-6 DAYS A WEEK	2	+	4	*	1
3-4 DAYS A WEEK	6	5	10	*	3
1-2 DAYS A WEEK	11	11	16	*	7
LESS THAN ONCE A WEEK	28	27	28	*	29
DID NOT DRINK	52	55	42	*	59

+ LESS THAN HALF OF ONE PERCENT.

* NOT APPLICABLE.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-22

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
E6-E9'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL................	100	100	100	*	100
EVERY DAY............	2	5	1	*	1
5-6 DAYS A WEEK........	7	3	9	*	7
3-4 DAYS A WEEK........	9	11	10	*	6
1-2 DAYS A WEEK........	18	15	20	*	19
LESS THAN ONCE A WEEK..	31	26	35	*	31
DID NOT DRINK..........	32	39	25	*	35
WINE					
TOTAL................	100	100	100	*	100
EVERY DAY............	+	0	0	*	1
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	1	2	1	*	0
1-2 DAYS A WEEK........	1	1	1	*	0
LESS THAN ONCE A WEEK..	19	19	20	*	19
DID NOT DRINK..........	78	78	77	*	79
HARD LIQUOR					
TOTAL................	100	100	100	*	100
EVERY DAY............	+	0	0	*	1
5-6 DAYS A WEEK........	1	1	0	*	1
3-4 DAYS A WEEK........	3	3	4	*	1
1-2 DAYS A WEEK........	8	8	6	*	10
LESS THAN ONCE A WEEK..	31	32	35	*	22
DID NOT DRINK..........	57	55	55	*	63

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-23

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
01-03'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	3			*	
3-4 DAYS A WEEK	14			*	
1-2 DAYS A WEEK	13			*	
LESS THAN ONCE A WEEK	22			*	
DID NOT DRINK	49			*	
WINE					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	8			*	
LESS THAN ONCE A WEEK	39			*	
DID NOT DRINK	52			*	
HARD LIQUOR					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	5			*	
1-2 DAYS A WEEK	7			*	
LESS THAN ONCE A WEEK	46			*	
DID NOT DRINK	42			*	

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-24

FREQUENCY OF ALCOHOL USE DURING PAST 30 DAYS
04-06'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	4			*	
5-6 DAYS A WEEK........	13			*	
3-4 DAYS A WEEK........	10			*	
1-2 DAYS A WEEK........	18			*	
LESS THAN ONCE A WEEK..	33			*	
DID NOT DRINK..........	22			*	
WINE					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	0			*	
5-6 DAYS A WEEK........	1			*	
3-4 DAYS A WEEK........	0			*	
1-2 DAYS A WEEK........	12			*	
LESS THAN ONCE A WEEK..	35			*	
DID NOT DRINK..........	51			*	
HARD LIQUOR					
TOTAL..................	100	-	-	*	-
EVERY DAY..............	8			*	
5-6 DAYS A WEEK........	5			*	
3-4 DAYS A WEEK........	8			*	
1-2 DAYS A WEEK........	18			*	
LESS THAN ONCE A WEEK..	14			*	
DID NOT DRINK..........	47			*	

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

Quantity Consumed During A Typical Drinking Day

Obviously, the quantity of alcohol consumed during a single day or occasion is more relevant to the development of drinking problems than is the number of days during which any drinking occurs, although both quantity and frequency need to be taken into account in determining dependence upon alcohol (as discussed later in this chapter). The data on quantity consumed for each of the three alcoholic beverages will help to provide a preliminary indication of which beverages are involved in the heavier types of drinking.

Total-Worldwide

For all military personnel, and within each of the four Services, beer was the beverage that was heavily consumed by the most respondents (Table IV-25). On a typical day on which any drinking occurred during the past 30 days, 29 percent of all military personnel reportedly drank four or more drinks of beer.[1] Eight percent of the respondents reportedly engaged in "heavy drinking" of beer--defined as consuming eight or more drinks on a typical drinking day.

Heavy drinking of wine was rarely reported (by about only 1 percent of respondents).

Heavy drinking of hard liquor, however, was reportedly nearly as common as heavy drinking of beer; 6 percent of all

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[1] A drink of beer is defined as one 12 ounce can, bottle or glass of beer.

TABLE IV-25

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--TOTAL DOD (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	12	12	11	9	14
2-3 DRINKS	32	31	30	31	33
4-7 DRINKS	21	20	25	28	17
8-11 DRINKS	5	5	7	7	3
12 OR MORE DRINKS	3	3	5	4	1
DID NOT DRINK	26	28	22	21	30
WINE					
TOTAL	100	100	100	100	100
1 DRINK	10	9	9	8	12
2-3 DRINKS	19	18	18	15	23
4-7 DRINKS	5	4	6	5	5
8-11 DRINKS	+	+	+	+	+
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	65	67	65	71	59
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	10	9	9	7	12
2-3 DRINKS	23	22	24	22	24
4-7 DRINKS	13	12	15	14	11
8-11 DRINKS	4	3	5	6	2
12 OR MORE DRINKS	2	2	3	2	1
DID NOT DRINK	48	50	44	49	50

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

respondents reported they had consumed eight or more drinks[1] of hard liquor on a typical drinking day during the past 30 days.

Quantity Patterns by Pay Grade Group

Tables IV-26 through IV-30 display quantity consumed on a typical drinking day by pay grade group. Heavy drinking was reported almost exclusively by enlisted personnel. Twelve percent of E1-E5's and 4 percent of E6-E9's, worldwide, indicated heavy drinking of beer. The comparable figures for wine were about 1 percent for both enlisted groups. Eight percent of E1-E5's reported heavy drinking of hard liquor compared to 3 percent of the E6-E9's. Only about 1 percent or less of each officer or warrant officer group, worldwide, reported heavy drinking of each type of beverage.

Regional Patterns

The quantity of alcoholic beverages consumed on a typical drinking day during the past 30 days is displayed for CONUS, Europe, Pacific, and Other Locations in Tables IV-31 through IV-46. Because officers only rarely reported heavy drinking in any region, this discussion will focus on enlisted personnel.

The percentages of enlisted respondents who reported heavy drinking are summarized in Table IV-47. For junior enlisted personnel, the regional patterns are varied. The

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[1] The respondents who drank hard liquor in the past 30 days were asked to indicate the number of ounces of hard liquor in their average drink. The answers ranged from one to five ounces; the average was 1.7 ounces.

TABLE IV-26

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E1-E5'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	9	9	8	8	11
2-3 DRINKS	30	31	28	28	33
4-7 DRINKS	25	25	29	31	20
8-11 DRINKS	7	6	9	9	4
12 OR MORE DRINKS	5	4	7	6	2
DID NOT DRINK	24	25	19	19	29
WINE					
TOTAL	100	100	100	100	100
1 DRINK	8	8	8	7	10
2-3 DRINKS	16	16	16	13	18
4-7 DRINKS	6	6	8	6	6
8-11 DRINKS	+	+	+	+	1
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	67	69	67	73	64
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	8	8	8	6	10
2-3 DRINKS	21	20	21	20	23
4-7 DRINKS	15	14	19	15	12
8-11 DRINKS	5	4	7	7	3
12 OR MORE DRINKS	3	3	4	3	2
DID NOT DRINK	48	51	41	48	50

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-27

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E6-E9'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	13	14	11	10	15
2-3 DRINKS	32	30	33	38	33
4-7 DRINKS	19	16	21	22	18
8-11 DRINKS	3	4	3	3	1
12 OR MORE DRINKS	1	2	2	0	1
DID NOT DRINK	32	34	31	28	32
WINE					
TOTAL	100	100	100	100	100
1 DRINK	8	7	7	6	11
2-3 DRINKS	14	12	14	16	17
4-7 DRINKS	3	2	3	3	3
8-11 DRINKS	+	+	+	0	+
12 OR MORE DRINKS	+	1	1	1	+
DID NOT DRINK	74	78	75	74	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	8	8	8	6	10
2-3 DRINKS	22	21	24	23	22
4-7 DRINKS	10	11	9	12	10
8-11 DRINKS	2	3	3	2	1
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	56	56	56	55	56

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-28

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--W1-W4'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	-	*
1 DRINK	18	24	13		*
2-3 DRINKS	33	28	43		*
4-7 DRINKS	12	11	17		*
8-11 DRINKS	+	0	0		*
12 OR MORE DRINKS	0	0	0		*
DID NOT DRINK	36	37	27		*
WINE					
TOTAL	100	100	100	-	*
1 DRINK	13	10	18		*
2-3 DRINKS	19	18	29		*
4-7 DRINKS	1	1	5		*
8-11 DRINKS	0	0	0		*
12 OR MORE DRINKS	0	0	0		*
DID NOT DRINK	66	71	48		*
HARD LIQUOR					
TOTAL	100	100	100	-	*
1 DRINK	11	11	13		*
2-3 DRINKS	30	32	31		*
4-7 DRINKS	2	2	1		*
8-11 DRINKS	+	0	1		*
12 OR MORE DRINKS	0	0	0		*
DID NOT DRINK	56	54	52		*

* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-29

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--01-03'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	20	22	19	16	21
2-3 DRINKS	37	32	44	48	36
4-7 DRINKS	8	5	12	18	8
8-11 DRINKS	+	+	+	0	+
12 OR MORE DRINKS	+	1	0	1	0
DID NOT DRINK	33	40	25	18	35
WINE					
TOTAL	100	100	100	100	100
1 DRINK	19	20	16	14	20
2-3 DRINKS	34	31	34	29	38
4-7 DRINKS	3	3	4	1	3
8-11 DRINKS	+	+	+	0	+
12 OR MORE DRINKS	+	0	+	0	0
DID NOT DRINK	44	46	46	56	40
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	19	18	21	21	18
2-3 DRINKS	28	30	31	26	25
4-7 DRINKS	6	5	4	9	7
8-11 DRINKS	1	1	2	1	+
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	47	47	42	43	49

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-30

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--04-06'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	32	29	46	26	27
2-3 DRINKS	36	39	29	35	37
4-7 DRINKS	5	2	6	9	6
8-11 DRINKS	1	1	0	0	*
12 OR MORE DRINKS	*	0	0	0	*
DID NOT DRINK	27	29	18	30	30
WINE					
TOTAL	100	100	100	100	100
1 DRINK	25	27	28	23	21
2-3 DRINKS	48	44	47	44	54
4-7 DRINKS	2	1	3	4	3
8-11 DRINKS	0	0	0	0	0
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	25	28	22	29	23
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	20	22	17	14	21
2-3 DRINKS	44	45	46	46	40
4-7 DRINKS	4	4	4	2	5
8-11 DRINKS	0	0	0	0	0
12 OR MORE DRINKS	*	*	0	0	*
DID NOT DRINK	32	28	33	38	33

* LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-31

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--E1-E5'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	9	9	8	8	11
2-3 DRINKS	30	31	27	29	33
4-7 DRINKS	25	24	30	30	20
8-11 DRINKS	7	6	10	9	5
12 OR MORE DRINKS	5	5	7	6	2
DID NOT DRINK	23	25	18	17	29
WINE					
TOTAL	100	100	100	100	100
1 DRINK	8	7	8	7	10
2-3 DRINKS	15	14	15	14	17
4-7 DRINKS	6	4	7	6	4
8-11 DRINKS	*	*	*	0	1
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	70	73	69	73	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	8	7	8	6	10
2-3 DRINKS	21	20	21	21	22
4-7 DRINKS	15	14	19	14	12
8-11 DRINKS	5	4	7	7	3
12 OR MORE DRINKS	3	3	4	3	2
DID NOT DRINK	48	52	40	50	52

* LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-32

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--E6-E9'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	13	13	11	10	15
2-3 DRINKS	31	30	32	38	31
4-7 DRINKS	19	14	20	24	20
8-11 DRINKS	3	4	4	2	1
12 OR MORE DRINKS	1	2	2	0	1
DID NOT DRINK	33	37	32	26	33
WINE					
TOTAL	100	100	100	100	100
1 DRINK	7	5	6	6	9
2-3 DRINKS	14	8	12	17	13
4-7 DRINKS	3	2	3	4	3
8-11 DRINKS	+	0	0	0	+
12 OR MORE DRINKS	+	1	1	0	0
DID NOT DRINK	78	84	78	72	74
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	7	7	8	6	8
2-3 DRINKS	21	19	24	22	21
4-7 DRINKS	10	11	9	13	10
8-11 DRINKS	2	2	3	2	1
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	58	60	55	55	60

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-33

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--01-03'S IN CONUS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	20	21	18	16	21
2-3 DRINKS	38	33	48	50	35
4-7 DRINKS	8	5	10	16	8
8-11 DRINKS	+	+	1	0	0
12 OR MORE DRINKS	+	1	0	1	0
DID NOT DRINK	33	39	24	17	36
WINE					
TOTAL	100	100	100	100	100
1 DRINK	18	18	16	16	19
2-3 DRINKS	33	29	33	27	36
4-7 DRINKS	2	2	3	1	2
8-11 DRINKS	+	+	0	0	+
12 OR MORE DRINKS	+	0	+	0	0
DID NOT DRINK	47	50	48	56	42
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	18	17	21	18	18
2-3 DRINKS	28	31	31	27	24
4-7 DRINKS	6	6	4	8	7
8-11 DRINKS	+	0	1	1	1
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	47	46	43	45	51

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-34

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--04-06'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	32	26	54	28	27
2-3 DRINKS	36	40	31	34	36
4-7 DRINKS	4	1	4	10	6
8-11 DRINKS	1	1	0	0	+
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	27	31	11	28	32
WINE					
TOTAL	100	100	100	100	100
1 DRINK	27	31	31	24	21
2-3 DRINKS	47	39	49	44	52
4-7 DRINKS	2	0	2	2	3
8-11 DRINKS	0	0	0	0	0
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	25	30	19	31	24
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	20	21	20	11	21
2-3 DRINKS	46	50	51	52	40
4-7 DRINKS	4	3	4	1	5
8-11 DRINKS	0	0	0	0	0
12 OR MORE DRINKS	0	0	0	0	0
DID NOT DRINK	30	26	26	36	34

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-35

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E1-E5'S IN EUROPE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
1 DRINK	10	9	13	*	14
2-3 DRINKS	32	32	28	*	34
4-7 DRINKS	25	27	18	*	20
8-11 DRINKS	5	5	2	*	5
12 OR MORE DRINKS	3	4	3	*	1
DID NOT DRINK	25	23	37	*	26
WINE					
TOTAL	100	100	100	*	100
1 DRINK	11	9	13	*	14
2-3 DRINKS	25	23	37	*	27
4-7 DRINKS	9	8	13	*	11
8-11 DRINKS	+	+	1	*	1
12 OR MORE DRINKS	2	2	2	*	2
DID NOT DRINK	53	58	35	*	45
HARD LIQUOR					
TOTAL	100	100	100	*	100
1 DRINK	11	9	12	*	15
2-3 DRINKS	22	22	21	*	25
4-7 DRINKS	14	15	11	*	13
8-11 DRINKS	3	3	3	*	3
12 OR MORE DRINKS	3	4	2	*	2
DID NOT DRINK	46	47	50	*	43

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-36

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--E6-E9'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
1 DRINK	17	16	9	*	21
2-3 DRINKS	31	29	40	*	36
4-7 DRINKS	17	18	20	*	15
8-11 DRINKS	4	5	2	*	1
12 OR MORE DRINKS	2	2	2	*	1
DID NOT DRINK	29	30	26	*	27
WINE					
TOTAL	100	100	100	*	100
1 DRINK	13	11	16	*	17
2-3 DRINKS	23	18	36	*	34
4-7 DRINKS	3	3	6	*	1
8-11 DRINKS	+	+	1	*	+
12 OR MORE DRINKS	1	1	1	*	0
DID NOT DRINK	60	67	40	*	48
HARD LIQUOR					
TOTAL	100	100	100	*	100
1 DRINK	12	11	9	*	16
2-3 DRINKS	24	23	23	*	27
4-7 DRINKS	11	11	9	*	9
8-11 DRINKS	4	5	2	*	1
12 OR MORE DRINKS	1	1	2	*	1
DID NOT DRINK	49	49	55	*	46

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-37

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--01-03'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
1 DRINK	24	24	20	*	25
2-3 DRINKS	31	26	23	*	42
4-7 DRINKS	4	2	23	*	2
8-11 DRINKS	0	0	0	*	0
12 OR MORE DRINKS	2	3	0	*	0
DID NOT DRINK	39	45	34	*	30
WINE					
TOTAL	100	100	100	*	100
1 DRINK	27	27	25	*	28
2-3 DRINKS	43	38	40	*	51
4-7 DRINKS	5	4	13	*	4
8-11 DRINKS	0	0	0	*	0
12 OR MORE DRINKS	0	0	0	*	0
DID NOT DRINK	25	31	22	*	17
HARD LIQUOR					
TOTAL	100	100	100	*	100
1 DRINK	19	17	23	*	20
2-3 DRINKS	26	25	30	*	29
4-7 DRINKS	3	2	0	*	7
8-11 DRINKS	2	3	5	*	0
12 OR MORE DRINKS	0	0	0	*	0
DID NOT DRINK	49	54	43	*	44

* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-38

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--04-06'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	-	100	*	100
1 DRINK................	37		23	*	33
2-3 DRINKS.............	43		38	*	47
4-7 DRINKS.............	3		3	*	6
8-11 DRINKS............	0		0	*	0
12 OR MORE DRINKS......	0		0	*	0
DID NOT DRINK..........	17		35	*	14
WINE					
TOTAL..................	100	-	100	*	100
1 DRINK................	12		9	*	14
2-3 DRINKS.............	72		64	*	75
4-7 DRINKS.............	6		10	*	1
8-11 DRINKS............	0		0	*	0
12 OR MORE DRINKS......	0		0	*	0
DID NOT DRINK..........	10		17	*	10
HARD LIQUOR					
TOTAL..................	100	-	100	*	100
1 DRINK................	29		11	*	26
2-3 DRINKS.............	37		50	*	42
4-7 DRINKS.............	7		5	*	5
8-11 DRINKS............	0		0	*	0
12 OR MORE DRINKS......	0		0	*	0
DID NOT DRINK..........	27		34	*	27

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-39

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E1-E5'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	8	9	7	7	10
2-3 DRINKS	29	33	28	25	31
4-7 DRINKS	25	21	25	31	23
8-11 DRINKS	7	5	11	8	4
12 OR MORE DRINKS	4	4	7	4	1
DID NOT DRINK	26	28	22	25	30
WINE					
TOTAL	100	100	100	100	100
1 DRINK	8	10	7	7	8
2-3 DRINKS	16	19	18	10	18
4-7 DRINKS	7	6	9	6	8
8-11 DRINKS	1	1	1	1	+
12 OR MORE DRINKS	2	3	2	2	1
DID NOT DRINK	66	61	62	75	64
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	8	9	7	6	10
2-3 DRINKS	22	22	21	18	26
4-7 DRINKS	17	14	17	21	15
8-11 DRINKS	6	3	6	10	4
12 OR MORE DRINKS	3	3	4	4	1
DID NOT DRINK	44	48	46	41	44

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-40

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E6-E9'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
1 DRINK	11	11	12	8	10
2-3 DRINKS	36	34	32	38	43
4-7 DRINKS	21	21	27	17	17
8-11 DRINKS	2	3	1	4	3
12 OR MORE DRINKS	1	1	2	0	0
DID NOT DRINK	29	30	27	33	27
WINE					
TOTAL	100	100	100	100	100
1 DRINK	8	6	9	5	10
2-3 DRINKS	18	16	20	14	20
4-7 DRINKS	3	1	4	1	4
8-11 DRINKS	+	1	0	0	0
12 OR MORE DRINKS	+	+	0	2	+
DID NOT DRINK	71	76	67	78	65
HARD LIQUOR					
TOTAL	100	100	100	100	100
1 DRINK	7	5	8	6	9
2-3 DRINKS	25	25	23	23	29
4-7 DRINKS	11	12	11	11	13
8-11 DRINKS	2	4	2	3	1
12 OR MORE DRINKS	1	1	1	1	1
DID NOT DRINK	54	54	57	56	48

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-41

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--01-03'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	-	100
1 DRINK................	22	27	22		24
2-3 DRINKS.............	39	43	39		33
4-7 DRINKS.............	13	6	12		10
8-11 DRINKS............	1	2	0		2
12 OR MORE DRINKS......	0	0	0		0
DID NOT DRINK..........	25	23	27		30
WINE					
TOTAL..................	100	100	100	-	100
1 DRINK................	18	27	15		24
2-3 DRINKS.............	36	34	33		41
4-7 DRINKS.............	4	4	3		6
8-11 DRINKS............	+	0	1		0
12 OR MORE DRINKS......	+	0	1		0
DID NOT DRINK..........	41	34	46		29
HARD LIQUOR					
TOTAL..................	100	100	100	-	100
1 DRINK................	24	26	23		20
2-3 DRINKS.............	32	33	28		41
4-7 DRINKS.............	7	3	6		10
8-11 DRINKS............	1	0	4		0
12 OR MORE DRINKS......	0	0	0		0
DID NOT DRINK..........	36	37	39		30

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-42

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--04-06'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	-	-	100
1 DRINK................	24	22			26
2-3 DRINKS.............	26	27			47
4-7 DRINKS.............	13	15			4
8-11 DRINKS............	+	2			0
12 OR MORE DRINKS......	1	0			4
DID NOT DRINK..........	36	35			19
WINE					
TOTAL..................	100	100	-	-	100
1 DRINK................	25	21			14
2-3 DRINKS.............	40	38			52
4-7 DRINKS.............	2	2			0
8-11 DRINKS............	0	0			0
12 OR MORE DRINKS......	0	0			0
DID NOT DRINK..........	33	39			35
HARD LIQUOR					
TOTAL..................	100	100	-	-	100
1 DRINK................	13	10			24
2-3 DRINKS.............	31	33			47
4-7 DRINKS.............	4	6			7
8-11 DRINKS............	0	0			0
12 OR MORE DRINKS......	1	2			2
DID NOT DRINK..........	51	48			19

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-43

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--E1-E5'S IN OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
1 DRINK.................	13	17	9	*	10
2-3 DRINKS..............	28	28	29	*	27
4-7 DRINKS..............	22	23	27	*	16
8-11 DRINKS.............	5	6	4	*	3
12 OR MORE DRINKS.......	3	4	1	*	1
DID NOT DRINK...........	30	23	29	*	43
WINE					
TOTAL..................	100	100	100	*	100
1 DRINK.................	7	6	8	*	8
2-3 DRINKS..............	11	11	11	*	13
4-7 DRINKS..............	6	6	8	*	4
8-11 DRINKS.............	+	1	1	*	0
12 OR MORE DRINKS.......	1	1	4	*	0
DID NOT DRINK...........	73	76	68	*	75
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
1 DRINK.................	7	6	7	*	9
2-3 DRINKS..............	19	17	23	*	19
4-7 DRINKS..............	15	16	19	*	10
8-11 DRINKS.............	4	4	5	*	2
12 OR MORE DRINKS.......	3	3	4	*	1
DID NOT DRINK...........	52	54	41	*	59

+ LESS THAN HALF OF ONE PERCENT.

* NOT APPLICABLE.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-44

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--E6-E9'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
1 DRINK	9	9	6	*	13
2-3 DRINKS	37	28	45	*	34
4-7 DRINKS	20	20	22	*	16
8-11 DRINKS	2	1	3	*	1
12 OR MORE DRINKS	0	0	0	*	0
DID NOT DRINK	32	41	25	*	35
WINE					
TOTAL	100	100	100	*	100
1 DRINK	8	6	9	*	9
2-3 DRINKS	10	14	10	*	6
4-7 DRINKS	3	2	3	*	4
8-11 DRINKS	1	0	1	*	0
12 OR MORE DRINKS	+	0	0	*	1
DID NOT DRINK	78	78	77	*	79
HARD LIQUOR					
TOTAL	100	100	100	*	100
1 DRINK	7	8	7	*	6
2-3 DRINKS	22	19	26	*	19
4-7 DRINKS	14	19	12	*	10
8-11 DRINKS	+	0	0	*	1
12 OR MORE DRINKS	0	0	0	*	0
DID NOT DRINK	57	55	55	*	63

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-45

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY
DURING PAST 30 DAYS--01-03'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	-	*	-
1 DRINK	12			*	
2-3 DRINKS	18			*	
4-7 DRINKS	21			*	
8-11 DRINKS	0			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	49			*	
WINE					
TOTAL	100	-	-	*	-
1 DRINK	15			*	
2-3 DRINKS	33			*	
4-7 DRINKS	0			*	
8-11 DRINKS	0			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	52			*	
HARD LIQUOR					
TOTAL	100	-	-	*	-
1 DRINK	19			*	
2-3 DRINKS	33			*	
4-7 DRINKS	0			*	
8-11 DRINKS	6			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	42			*	

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-46

QUANTITY CONSUMED ON A TYPICAL DRINKING DAY DURING PAST 30 DAYS--04-06'S IN OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	-	*	-
1 DRINK	36			*	
2-3 DRINKS	37			*	
4-7 DRINKS	4			*	
8-11 DRINKS	0			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	24			*	
WINE					
TOTAL	100	-	-	*	-
1 DRINK	6			*	
2-3 DRINKS	36			*	
4-7 DRINKS	8			*	
8-11 DRINKS	0			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	50			*	
HARD LIQUOR					
TOTAL	100	-	-	*	-
1 DRINK	8			*	
2-3 DRINKS	31			*	
4-7 DRINKS	14			*	
8-11 DRINKS	0			*	
12 OR MORE DRINKS	0			*	
DID NOT DRINK	47			*	

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-47

HEAVY DRINKERS[1]-ENLISTED PERSONNEL

(PERCENTAGE OF POPULATION)

PAY GRADE/ BEVERAGE/REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
BEER					
CONUS	12	11	17	15	7
EUROPE	8	9	5	*	6
PACIFIC	11	9	18	12	5
OTHER LOCATIONS	8	10	5	*	4
HARD LIQUOR					
CONUS	8	8	11	10	5
EUROPE	6	7	5	*	5
PACIFIC	9	6	10	14	5
OTHER LOCATIONS	7	7	9	*	1
E6-E9					
BEER					
CONUS	4	6	6	2	2
EUROPE	6	7	4	*	2
PACIFIC	3	4	3	4	3
OTHER LOCATIONS	2	1	3	*	1
HARD LIQUOR					
CONUS	3	3	4	3	1
EUROPE	5	6	4	+	2
PACIFIC	3	5	3	4	2
OTHER LOCATIONS	+	0	0	+	0

[1] DEFINED AS A PERSON WHO CONSUMED EIGHT OR MORE DRINKS ON A TYPICAL DRINKING DAY DURING THE PAST 30 DAYS.

* NOT APPLICABLE.

+ LESS THAN ONE-HALF OF ONE PERCENT.

highest rates of heavy drinking generally appear in the CONUS and Pacific regions followed by Europe and Other Locations, although there are a few slight exceptions to these patterns.

The regional patterns are also varied for senior enlisted personnel. A notable pattern is that the highest rates of heavy drinking appear in Europe followed by CONUS or the Pacific and Other Locations.

Frequency of Heavy Drinking During Past 12 Months

The previous section addressed typical drinking during the past 30 days and focused particularly on heavy drinking. Now the focus is on the frequency that a person engages in heavy drinking during the past 12 months. This is a preliminary step toward analyzing the physical, social, and work consequences of heavy drinking.

Total - Worldwide

Twenty-one percent of all respondents reported they had engaged in heavy drinking of beer at least once a week and 11 percent reported doing this at least three days a week during the past 12 months (Table IV-48). For wine, the comparable figures were: at least once a week, about 5 percent; at least three days a week, about 2 percent. The hard liquor figures were: at least one day a week, 11 percent; at least three days a week, 5 percent.

TABLE IV-48

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	2	+
5-6 DAYS A WEEK	3	4	4	4	2
3-4 DAYS A WEEK	7	7	9	10	4
1-2 DAYS A WEEK	10	10	11	12	7
1-3 DAYS A MONTH	14	13	17	17	11
LESS THAN MONTHLY	20	19	21	23	21
NEVER	45	45	37	32	55
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	1	+	1	+
5-6 DAYS A WEEK	1	1	1	1	+
3-4 DAYS A WEEK	1	2	1	2	1
1-2 DAYS A WEEK	3	4	3	3	2
1-3 DAYS A MONTH	6	7	7	6	5
LESS THAN MONTHLY	18	17	21	18	18
NEVER	70	69	67	70	74
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	+
5-6 DAYS A WEEK	1	1	1	1	1
3-4 DAYS A WEEK	3	3	4	5	2
1-2 DAYS A WEEK	6	7	8	6	4
1-3 DAYS A MONTH	11	10	13	12	9
LESS THAN MONTHLY	23	21	26	25	21
NEVER	56	57	48	50	63

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

Annual Patterns by Pay Grade Group

The worldwide patterns of heavy drinking during the past 12 months by pay grade group are depicted in Tables IV-49 through IV-53. Heavy drinking was rarely reported by officers and warrant officers. Twenty-eight percent of E1-E5's and about 10 percent of E6-E9's reported heavy drinking of beer at least weekly; the comparable figures for wine were 8 percent and approximately 1 percent for each group. Fourteen percent of the E1-E5's and about 5 percent of E6-E9's reported heavy drinking of hard liquor at least weekly.

Regional Patterns

Heavy drinking patterns among pay grade groups by region are displayed in Tables IV-54 through IV-69. Regional differences among E1-E5's for all Services combined are not large for any of the three beverage categories. The regional patterns are very similar to those identified previously in the discussion of the population drinking eight or more drinks on a typical drinking day during the past 30 days. Slightly higher rates of heavy drinking of beer and hard liquor occurred among junior enlisted personnel in CONUS and the Pacific regions followed by Europe and Other Locations. However, heavy drinking of wine was most prevalent in Europe, reflecting its greater popularity there. The number of respondents is too small in Other Locations to warrant interregional comparisons.

Regional differences among senior enlisted personnel are slight for the total population in each of the three

TABLE IV-49

FREQUENCY OF CONSUMING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E1-E5'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	2	2	1	3	1
5-6 DAYS A WEEK	4	5	5	5	2
3-4 DAYS A WEEK	10	10	12	13	6
1-2 DAYS A WEEK	12	13	14	15	9
1-3 DAYS A MONTH	16	16	19	19	14
LESS THAN MONTHLY	21	21	20	19	22
NEVER	35	34	29	26	46
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	+	1	+
5-6 DAYS A WEEK	1	1	1	1	+
3-4 DAYS A WEEK	2	3	2	2	1
1-2 DAYS A WEEK	4	6	4	4	2
1-3 DAYS A MONTH	8	9	9	7	6
LESS THAN MONTHLY	21	19	24	20	21
NEVER	64	62	61	65	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	1	+
5-6 DAYS A WEEK	1	2	2	2	1
3-4 DAYS A WEEK	4	4	5	5	3
1-2 DAYS A WEEK	8	9	10	8	5
1-3 DAYS A MONTH	13	12	16	15	11
LESS THAN MONTHLY	24	22	27	26	24
NEVER	48	49	40	43	56

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-50

FREQUENCY OF CONSUMING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E6-E9'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	+	1	+	+	+
5-6 DAYS A WEEK	1	2	2	2	1
3-4 DAYS A WEEK	3	4	3	3	2
1-2 DAYS A WEEK	6	6	8	3	5
1-3 DAYS A MONTH	12	11	16	10	8
LESS THAN MONTHLY	23	18	27	37	20
NEVER	55	58	45	44	63
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	+
5-6 DAYS A WEEK	+	+	+	+	0
3-4 DAYS A WEEK	+	1	1	0	+
1-2 DAYS A WEEK	1	1	1	2	1
1-3 DAYS A MONTH	3	4	4	2	2
LESS THAN MONTHLY	13	11	17	12	11
NEVER	82	83	78	84	86
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	+	1	+	0	+
5-6 DAYS A WEEK	+	1	+	1	+
3-4 DAYS A WEEK	2	2	1	3	1
1-2 DAYS A WEEK	3	4	3	2	2
1-3 DAYS A MONTH	8	9	11	4	6
LESS THAN MONTHLY	21	19	25	26	19
NEVER	65	65	59	64.	72

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-51

FREQUENCY OF CONSUMING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--W1-W4'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	-	*
EVERY DAY	0	0	0		*
5-6 DAYS A WEEK	+	0	0		*
3-4 DAYS A WEEK	0	0	0		*
1-2 DAYS A WEEK	+	0	0		*
1-3 DAYS A MONTH	4	2	7		*
LESS THAN MONTHLY	19	17	23		*
NEVER	76	81	70		*
WINE					
TOTAL	100	100	100	-	*
EVERY DAY	0	0	0		*
5-6 DAYS A WEEK	0	0	0		*
3-4 DAYS A WEEK	0	0	0		*
1-2 DAYS A WEEK	0	0	0		*
1-3 DAYS A MONTH	1	0	1		*
LESS THAN MONTHLY	8	7	14		*
NEVER	91	93	85		*
HARD LIQUOR					
TOTAL	100	100	100	-	*
EVERY DAY	0	0	0		*
5-6 DAYS A WEEK	+	0	1		*
3-4 DAYS A WEEK	0	0	0		*
1-2 DAYS A WEEK	1	1	+		*
1-3 DAYS A MONTH	5	5	6		*
LESS THAN MONTHLY	17	15	23		*
NEVER	77	80	69		*

* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-52

FREQUENCY OF CONSUMING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--01-03'S IN TOTAL WORLDWIDE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	0
5-6 DAYS A WEEK	+	1	+	0	0
3-4 DAYS A WEEK	1	+	1	2	+
1-2 DAYS A WEEK	2	1	3	+	2
1-3 DAYS A MONTH	6	4	9	11	5
LESS THAN MONTHLY	19	11	28	38	17
NEVER	73	82	58	49	77
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	+	0	0	0	+
1-2 DAYS A WEEK	+	0	+	0	+
1-3 DAYS A MONTH	2	2	4	3	1
LESS THAN MONTHLY	16	15	17	12	17
NEVER	82	83	80	85	82
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	0	0	+
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	1	2	+	1	+
1-2 DAYS A WEEK	1	1	1	0	+
1-3 DAYS A MONTH	3	1	5	4	3
LESS THAN MONTHLY	17	13	25	20	15
NEVER	79	83	69	76	82

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-53

FREQUENCY OF CONSUMING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--04-06'S IN TOTAL WORLDWIDE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	+	0	0	1	0
5-6 DAYS A WEEK........	+	0	0	0	+
3-4 DAYS A WEEK........	+	0	0	0	+
1-2 DAYS A WEEK........	1	2	0	3	1
1-3 DAYS A MONTH.......	3	1	3	5	3
LESS THAN MONTHLY......	14	14	11	19	14
NEVER..................	82	82	86	72	81
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	+	0	0	1	0
5-6 DAYS A WEEK........	0	0	0	0	0
3-4 DAYS A WEEK........	+	0	0	0	+
1-2 DAYS A WEEK........	+	0	+	0	+
1-3 DAYS A MONTH.......	2	1	1	4	2
LESS THAN MONTHLY......	12	13	14	10	11
NEVER..................	86	86	85	85	87
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	0	0	0	0	0
5-6 DAYS A WEEK........	0	0	0	0	0
3-4 DAYS A WEEK........	+	0	0	2	1
1-2 DAYS A WEEK........	+	+	0	0	1
1-3 DAYS A MONTH.......	2	2	3	1	2
LESS THAN MONTHLY......	18	19	20	15	18
NEVER..................	79	79	77	81	79

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-54

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E1-E5'S IN CONUS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	2	2	2	3	1
5-6 DAYS A WEEK........	4	4	6	5	2
3-4 DAYS A WEEK........	10	10	13	14	6
1-2 DAYS A WEEK........	12	13	14	14	9
1-3 DAYS A MONTH.......	17	16	19	19	13
LESS THAN MONTHLY......	21	21	19	20	21
NEVER..................	34	34	27	25	47
WINE					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	1	1	+	1	+
5-6 DAYS A WEEK........	1	1	1	1	+
3-4 DAYS A WEEK........	2	2	2	2	1
1-2 DAYS A WEEK........	4	5	4	5	2
1-3 DAYS A MONTH.......	7	7	8	6	6
LESS THAN MONTHLY......	21	19	24	20	21
NEVER..................	65	65	61	65	70
HARD LIQUOR					
TOTAL..................	100	100	100	100	100
EVERY DAY..............	1	2	1	1	+
5-6 DAYS A WEEK........	2	2	2	2	1
3-4 DAYS A WEEK........	4	3	5	5	3
1-2 DAYS A WEEK........	9	9	11	8	5
1-3 DAYS A MONTH.......	13	12	16	14	11
LESS THAN MONTHLY......	24	22	27	26	22
NEVER..................	48	51	39	44	57

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-55

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E6-E9'S IN CONUS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	+	0	+
5-6 DAYS A WEEK	2	3	2	3	1
3-4 DAYS A WEEK	3	4	3	2	2
1-2 DAYS A WEEK	6	6	8	3	5
1-3 DAYS A MONTH	11	9	16	10	7
LESS THAN MONTHLY	23	18	27	39	20
NEVER	55	60	45	43	64
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	+
5-6 DAYS A WEEK	+	0	+	+	0
3-4 DAYS A WEEK	+	+	1	0	+
1-2 DAYS A WEEK	1	1	1	1	1
1-3 DAYS A MONTH	3	4	4	2	1
LESS THAN MONTHLY	12	10	16	14	9
NEVER	84	85	79	82	89
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	+	0	+
5-6 DAYS A WEEK	+	+	+	1	+
3-4 DAYS A WEEK	2	2	1	3	2
1-2 DAYS A WEEK	3	4	3	2	2
1-3 DAYS A MONTH	9	10	11	4	6
LESS THAN MONTHLY	21	18	25	27	18
NEVER	65	66	58	63	72

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-56

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--O1-O3'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	*	1	0	0	0
3-4 DAYS A WEEK	1	0	2	2	0
1-2 DAYS A WEEK	1	1	2	*	1
1-3 DAYS A MONTH	6	5	9	10	4
LESS THAN MONTHLY	19	9	29	37	17
NEVER	73	84	58	50	77
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	0	0	0	0	0
1-3 DAYS A MONTH	2	1	3	3	1
LESS THAN MONTHLY	15	13	17	9	16
NEVER	83	86	81	87	83
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	*	0	0	0	*
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	1	2	0	1	0
1-2 DAYS A WEEK	*	*	1	0	*
1-3 DAYS A MONTH	2	1	4	5	2
LESS THAN MONTHLY	17	12	27	18	14
NEVER	80	85	68	76	83

* LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-57

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--04-06'S IN CONUS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	0	1	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	+	0	0	0	+
1-2 DAYS A WEEK	1	2	0	3	1
1-3 DAYS A MONTH	3	1	5	5	4
LESS THAN MONTHLY	13	14	9	18	13
NEVER	83	83	87	73	82
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	0	0	1	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	0	0	0	0	0
1-2 DAYS A WEEK	+	0	0	0	+
1-3 DAYS A MONTH	2	1	+	4	2
LESS THAN MONTHLY	10	10	13	10	9
NEVER	88	89	86	85	88
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	0	0	0	0	0
3-4 DAYS A WEEK	+	0	0	3	+
1-2 DAYS A WEEK	+	0	0	0	1
1-3 DAYS A MONTH	2	2	4	0	2
LESS THAN MONTHLY	20	20	23	15	18
NEVER	77	78	73	82	78

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-58

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E1-E5'S IN EUROPE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	2	2	+	*	+
5-6 DAYS A WEEK.........	4	6	3	*	2
3-4 DAYS A WEEK.........	8	10	6	*	5
1-2 DAYS A WEEK.........	11	13	8	*	7
1-3 DAYS A MONTH........	16	16	13	*	15
LESS THAN MONTHLY.......	20	19	17	*	25
NEVER..................	38	34	52	*	45
WINE					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	1	0	*	+
5-6 DAYS A WEEK.........	1	1	+	*	1
3-4 DAYS A WEEK.........	3	4	3	*	2
1-2 DAYS A WEEK.........	5	6	3	*	3
1-3 DAYS A MONTH........	11	12	10	*	9
LESS THAN MONTHLY.......	21	20	26	*	24
NEVER..................	57	56	57	*	60
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	1	1	+	*	+
5-6 DAYS A WEEK.........	1	2	+	*	1
3-4 DAYS A WEEK.........	4	6	2	*	2
1-2 DAYS A WEEK.........	7	8	5	*	4
1-3 DAYS A MONTH........	14	14	12	*	13
LESS THAN MONTHLY.......	24	23	24	*	27
NEVER..................	49	46	56	*	53

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-59

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--E6-E9'S IN EUROPE
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
EVERY DAY	+	1	0	*	0
5-6 DAYS A WEEK	+	0	0	*	1
3-4 DAYS A WEEK	3	3	4	*	1
1-2 DAYS A WEEK	7	8	4	*	6
1-3 DAYS A MONTH	14	15	17	*	11
LESS THAN MONTHLY	19	18	31	*	20
NEVER	56	56	44	*	61
WINE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	0
5-6 DAYS A WEEK	+	+	0	*	0
3-4 DAYS A WEEK	1	1	1	*	0
1-2 DAYS A WEEK	+	1	1	*	0
1-3 DAYS A MONTH	6	6	9	*	5
LESS THAN MONTHLY	15	14	20	*	15
NEVER	78	78	70	*	80
HARD LIQUOR					
TOTAL	100	100	100	*	100
EVERY DAY	1	1	0	*	0
5-6 DAYS A WEEK	+	1	0	*	0
3-4 DAYS A WEEK	2	2	0	*	0
1-2 DAYS A WEEK	4	5	4	*	2
1-3 DAYS A MONTH	7	7	7	*	6
LESS THAN MONTHLY	20	20	24	*	18
NEVER	67	64	65	*	75

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-60

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--01-03'S IN EUROPE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	1	2	1	*	0
1-2 DAYS A WEEK........	3	3	6	*	1
1-3 DAYS A MONTH.......	3	2	3	*	4
LESS THAN MONTHLY......	19	15	28	*	20
NEVER..................	75	78	61	*	75
WINE					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	0	0	0	*	0
1-3 DAYS A MONTH.......	4	5	11	*	1
LESS THAN MONTHLY......	24	25	16	*	25
NEVER..................	72	71	73	*	74
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	2	3	1	*	0
1-2 DAYS A WEEK........	1	2	2	*	0
1-3 DAYS A MONTH.......	2	2	3	*	3
LESS THAN MONTHLY......	12	13	16	*	11
NEVER..................	82	81	78	*	86

* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-61

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--04-06'S IN EUROPE (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	-	100	*	100
EVERY DAY..............	0		0	*	0
5-6 DAYS A WEEK........	0		0	*	0
3-4 DAYS A WEEK........	0		0	*	0
1-2 DAYS A WEEK........	1		0	*	2
1-3 DAYS A MONTH.......	1		0	*	3
LESS THAN MONTHLY......	17		13	*	19
NEVER..................	81		87	*	77
WINE					
TOTAL..................	100	-	100	*	100
EVERY DAY..............	0		0	*	0
5-6 DAYS A WEEK........	0		0	*	0
3-4 DAYS A WEEK........	0		0	*	0
1-2 DAYS A WEEK........	1		3	*	1
1-3 DAYS A MONTH.......	2		3	*	0
LESS THAN MONTHLY......	26		10	*	25
NEVER..................	70		84	*	74
HARD LIQUOR					
TOTAL..................	100	-	100	*	100
EVERY DAY..............	0		0	*	0
5-6 DAYS A WEEK........	0		0	*	0
3-4 DAYS A WEEK........	0		0	*	0
1-2 DAYS A WEEK........	0		0	*	0
1-3 DAYS A MONTH.......	1		3	*	0
LESS THAN MONTHLY......	14		7	*	12
NEVER..................	86		89	*	88

- LESS THAN 30 RESPONDENTS.

* NOT APPLICABLE.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-62

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E1-E5'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	2	1
5-6 DAYS A WEEK	3	3	4	4	1
3-4 DAYS A WEEK	9	8	13	11	6
1-2 DAYS A WEEK	13	13	14	16	9
1-3 DAYS A MONTH	17	15	16	20	15
LESS THAN MONTHLY	21	20	21	18	23
NEVER	36	39	31	30	44
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	1	1	0
5-6 DAYS A WEEK	1	1	1	1	+
3-4 DAYS A WEEK	2	3	2	1	1
1-2 DAYS A WEEK	4	5	4	3	4
1-3 DAYS A MONTH	9	10	11	8	6
LESS THAN MONTHLY	21	19	24	22	21
NEVER	64	62	59	65	68
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	1	1	1	2	+
5-6 DAYS A WEEK	1	2	1	+	1
3-4 DAYS A WEEK	4	3	5	6	3
1-2 DAYS A WEEK	8	9	9	9	6
1-3 DAYS A MONTH	15	14	17	19	11
LESS THAN MONTHLY	24	19	25	23	27
NEVER	47	53	43	41	51

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-63

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E6-E9'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	1	0
5-6 DAYS A WEEK	1	2	+	0	1
3-4 DAYS A WEEK	5	4	4	6	4
1-2 DAYS A WEEK	5	4	7	3	4
1-3 DAYS A MONTH	13	14	16	9	11
LESS THAN MONTHLY	25	21	29	32	19
NEVER	51	53	44	49	61
WINE					
TOTAL	100	100	100	100	100
EVERY DAY	0	0	0	0	0
5-6 DAYS A WEEK	+	1	1	0	0
3-4 DAYS A WEEK	+	1	1	0	1
1-2 DAYS A WEEK	2	1	2	3	1
1-3 DAYS A MONTH	3	5	3	2	2
LESS THAN MONTHLY	14	8	19	7	17
NEVER	81	85	74	87	80
HARD LIQUOR					
TOTAL	100	100	100	100	100
EVERY DAY	+	+	0	0	+
5-6 DAYS A WEEK	1	1	+	2	0
3-4 DAYS A WEEK	2	2	2	1	1
1-2 DAYS A WEEK	3	3	3	4	3
1-3 DAYS A MONTH	8	12	7	5	7
LESS THAN MONTHLY	23	22	26	20	22
NEVER	63	61	62	67	66

+ LESS THAN HALF OF ONE PERCENT

** PERCENTS MAY NOT ADD TO 100 DJE TO ROUNDING.

TABLE IV-64

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--01-03'S IN PACIFIC (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	-	100
EVERY DAY..............	+	1	0		0
5-6 DAYS A WEEK........	+	0	1		0
3-4 DAYS A WEEK........	0	0	0		0
1-2 DAYS A WEEK........	2	+	3		5
1-3 DAYS A MONTH.......	10	6	12		10
LESS THAN MONTHLY......	26	24	22		20
NEVER..................	61	68	62		65
WINE					
TOTAL..................	100	100	100	-	100
EVERY DAY..............	+	1	0		0
5-6 DAYS A WEEK........	0	0	0		0
3-4 DAYS A WEEK........	0	0	0		0
1-2 DAYS A WEEK........	2	0	1		7
1-3 DAYS A MONTH.......	3	1	6		2
LESS THAN MONTHLY......	16	11	18		14
NEVER..................	79	86	75		76
HARD LIQUOR					
TOTAL..................	100	100	100	-	100
EVERY DAY..............	0	0	0		0
5-6 DAYS A WEEK........	0	0	0		0
3-4 DAYS A WEEK........	1	0	1		2
1-2 DAYS A WEEK........	2	0	3		6
1-3 DAYS A MONTH.......	6	5	7		9
LESS THAN MONTHLY......	21	21	11		28
NEVER..................	70	74	78		56

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-65

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--O4-O6'S IN PACIFIC
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	+	0			2
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	2	4			4
1-3 DAYS A MONTH	3	8			0
LESS THAN MONTHLY	17	9			20
NEVER	78	79			74
WINE					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	0	0			0
1-2 DAYS A WEEK	+	0			2
1-3 DAYS A MONTH	0	0			0
LESS THAN MONTHLY	13	7			18
NEVER	86	93			80
HARD LIQUOR					
TOTAL	100	100	-	-	100
EVERY DAY	0	0			0
5-6 DAYS A WEEK	0	0			0
3-4 DAYS A WEEK	+	0			2
1-2 DAYS A WEEK	1	2			2
1-3 DAYS A MONTH	3	7			2
LESS THAN MONTHLY	10	6			15
NEVER	85	85			78

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-66

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E1-E5'S IN OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	100	100	*	100
EVERY DAY	1	2	0	*	+
5-6 DAYS A WEEK	3	5	1	*	1
3-4 DAYS A WEEK	8	10	7	*	4
1-2 DAYS A WEEK	13	16	11	*	9
1-3 DAYS A MONTH	16	13	21	*	15
LESS THAN MONTHLY	22	20	27	*	19
NEVER	39	35	33	*	51
WINE					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	0	0	0	*	0
3-4 DAYS A WEEK	2	3	2	*	0
1-2 DAYS A WEEK	4	5	4	*	1
1-3 DAYS A MONTH	6	6	6	*	6
LESS THAN MONTHLY	20	20	21	*	19
NEVER	68	65	67	*	73
HARD LIQUOR					
TOTAL	100	100	100	*	100
EVERY DAY	+	+	0	*	+
5-6 DAYS A WEEK	1	1	1	*	+
3-4 DAYS A WEEK	4	5	6	*	1
1-2 DAYS A WEEK	6	8	7	*	3
1-3 DAYS A MONTH	12	12	15	*	9
LESS THAN MONTHLY	27	25	27	*	27
NEVER	49	48	44	*	58

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-67

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--E6-E9'S IN OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	1	3	0	*	0
3-4 DAYS A WEEK........	3	5	3	*	0
1-2 DAYS A WEEK........	7	5	10	*	4
1-3 DAYS A MONTH.......	10	10	13	*	4
LESS THAN MONTHLY......	25	23	28	*	24
NEVER..................	54	55	46	*	68
WINE					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	+	1	0	*	0
3-4 DAYS A WEEK........	0	0	0	*	0
1-2 DAYS A WEEK........	2	2	3	*	0
1-3 DAYS A MONTH.......	2	5	0	*	3
LESS THAN MONTHLY......	13	9	19	*	9
NEVER..................	82	83	78	*	88
HARD LIQUOR					
TOTAL..................	100	100	100	*	100
EVERY DAY..............	0	0	0	*	0
5-6 DAYS A WEEK........	0	0	0	*	0
3-4 DAYS A WEEK........	1	1	1	*	1
1-2 DAYS A WEEK........	2	3	3	*	0
1-3 DAYS A MONTH.......	10	11	12	*	6
LESS THAN MONTHLY......	23	23	26	*	18
NEVER..................	63	61	58	*	75

+ LESS THAN HALF OF ONE PERCENT.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-68

FREQUENCY OF DRINKING EIGHT OR MORE
CANS, GLASSES OR DRINKS IN A SINGLE DAY
DURING PAST 12 MONTHS--01-03'S IN OTHER LOCATIONS
(PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	7			*	
1-3 DAYS A MONTH	4			*	
LESS THAN MONTHLY	16			*	
NEVER	72			*	
WINE					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	0			*	
1-3 DAYS A MONTH	3			*	
LESS THAN MONTHLY	12			*	
NEVER	84			*	
HARD LIQUOR					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	3			*	
1-3 DAYS A MONTH	8			*	
LESS THAN MONTHLY	16			*	
NEVER	71			*	

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-69

FREQUENCY OF DRINKING EIGHT OR MORE CANS, GLASSES OR DRINKS IN A SINGLE DAY DURING PAST 12 MONTHS--04-06'S IN OTHER LOCATIONS (PERCENTAGE OF POPULATION)**

TYPE/ FREQUENCY	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
BEER					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	0			*	
1-3 DAYS A MONTH	0			*	
LESS THAN MONTHLY	15			*	
NEVER	84			*	
WINE					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	0			*	
1-3 DAYS A MONTH	0			*	
LESS THAN MONTHLY	10			*	
NEVER	89			*	
HARD LIQUOR					
TOTAL	100	-	-	*	-
EVERY DAY	0			*	
5-6 DAYS A WEEK	0			*	
3-4 DAYS A WEEK	1			*	
1-2 DAYS A WEEK	0			*	
1-3 DAYS A MONTH	0			*	
LESS THAN MONTHLY	18			*	
NEVER	81			*	

- LESS THAN 30 RESPONDENTS.
* NOT APPLICABLE.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

beverage categories. Officers rarely reported heavy drinking and, therefore, no regional patterns can be identified for them.

Adverse Physiological Effects of Alcohol

There is compelling evidence that a person consuming an average of five ounces of ethanol daily during a 12 month period is practicing "chronic excessive alcohol consumption" and is at high risk of developing severe medical problems (e.g., cirrhotic or precirrhotic conditions).[1] Consistent with the criterion employed in the 1977 RAND survey of Air Force personnel, it will be assumed that persons drinking an average of five or more ounces of ethanol each day during the past 12 months are presumed to be adversely affected.[2] This is not meant to imply that consumption of less than that amount is safe; but five ounces seems to be a sufficiently high level so that few experts would disagree that adverse effects could be expected to occur in at least most cases.

The mean daily ounces of ethanol consumed by each respondent was computed using the procedure described in Appendix G. This procedure combines beer, wine and hard liquor consumed on both typical and atypical drinking days.

The mean daily ounces of ethanol consumed during the preceding 12 months is depicted in Tables IV-70 through IV-75. The majority of military personnel consumed less than 0.6 ounces per day. This is roughly equivalent to one

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[1] J. Michael Polich and Bruce R. Orris, Alcohol Problems: Patterns and Prevalence in the U.S. Air Force, (Santa Monica: RAND), 1979, pp. 30-31.

[2] The Department of Defense specified that this definition, employed in a 1977 survey of Air Force drinking practices conducted by RAND, was to be used in this survey.

TABLE IV-70

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS--TOTAL DOD

(PERCENTAGE OF POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	100	100
NONE	13	15	10	10	15
> 0-0.4	37	35	34	31	44
0.5-0.9	13	13	14	13	13
1.0-1.4	8	7	9	9	8
1.5-1.9	5	5	6	6	5
2.0-2.4	4	4	5	5	3
2.5-2.9	3	3	4	4	2
3.0-3.4	3	2	3	3	2
3.5-3.9	2	3	2	3	2
4.0-4.4	2	2	2	2	1
4.5-4.9	1	1	1	2	1
5.0-5.4	1	1	1	1	1
5.5-5.9	1	1	1	2	*
6.0-6.4	1	*	1	1	*
6.5-6.9	1	1	1	1	*
7.0-7.4	1	1	1	1	*
7.5-7.9	1	*	1	1	*
8.0-8.4	*	*	1	1	*
8.5-8.9	*	*	1	*	*
9.0-9.4	*	*	*	1	*
9.5-9.9	*	*	*	*	*
10 OR MORE	2	3	3	3	1

* LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.
NOTE: FIGURES INCLUDE W1-W4'S.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

TABLE IV-71

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS

(PERCENTAGE OF E1-E5 POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	100	100
NONE	12	14	8	9	14
> 0-0.4	31	28	28	26	40
0.5-0.9	13	13	13	13	13
1.0-1.4	8	8	9	8	8
1.5-1.9	5	5	6	6	5
2.0-2.4	5	5	5	7	4
2.5-2.9	4	3	5	5	2
3.0-3.4	3	3	4	4	3
3.5-3.9	3	4	2	4	2
4.0-4.4	2	2	3	3	1
4.5-4.9	2	2	2	2	1
5.0-5.4	2	2	2	2	1
5.5-5.9	1	1	2	2	+
6.0-6.4	1	1	1	1	+
6.5-6.9	1	2	1	1	+
7.0-7.4	1	1	1	1	1
7.5-7.9	1	1	1	1	+
8.0-8.4	1	1	1	1	+
8.5-8.9	+	1	1	+	+
9.0-9.4	1	1	1	1	+
9.5-9.9	+	+	+	+	+
10 OR MORE	3	5	4	4	1

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

TABLE IV-72

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS

(PERCENTAGE OF E6-E9 POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	100	100
NONE	17	19	15	14	18
> 0-0.4	43	40	42	43	48
0.5-0.9	14	14	15	16	13
1.0-1.4	8	7	9	10	7
1.5-1.9	5	5	6	3	6
2.0-2.4	3	3	3	2	2
2.5-2.9	2	3	1	3	1
3.0-3.4	2	1	3	2	1
3.5-3.9	2	2	2	2	1
4.0-4.4	1	1	1	1	1
4.5-4.9	1	1	1	1	1
5.0-5.4	+	1	1	+	+
5.5-5.9	+	1	+	0	+
6.0-6.4	+	+	+	+	+
6.5-6.9	+	1	+	+	+
7.0-7.4	+	+	+	+	0
7.5-7.9	+	+	+	0	+
8.0-8.4	+	+	+	+	0
8.5-8.9	+	+	+	0	0
9.0-9.4	+	+	+	0	+
9.5-9.9	+	0	0	+	0
10 OR MORE	1	1	1	+	+

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

TABLE IV-73

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS

(PERCENTAGE OF W1-W4 POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	-	*
NONE	23	22	20		*
> 0-0.4	55	60	51		*
0.5-0.9	9	9	9		*
1.0-1.4	7	5	11		*
1.5-1.9	1	+	2		*
2.0-2.4	4	3	5		*
2.5-2.9	+	+	0		*
3.0-3.4	0	0	0		*
3.5-3.9	+	0	0		*
4.0-4.4	+	0	+		*
4.5-4.9	0	0	0		*
5.0-5.4	+	0	+		*
5.5-5.9	0	0	0		*
6.0-6.4	0	0	0		*
6.5-6.9	+	0	1		*
7.0-7.4	0	0	0		*
7.5-7.9	0	0	0		*
8.0-8.4	0	0	0		*
8.5-8.9	0	0	0		*
9.0-9.4	0	0	0		*
9.5-9.9	0	0	0		*
10 OR MORE	0	0	0		*

+ LESS THAN HALF OF ONE PERCENT.
- LESS THAN 30 RESPONDENTS.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

TABLE IV-74

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS

(PERCENTAGE OF 01-03 POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	100	100
NONE	17	19	13	9	17
> 0-0.4	55	60	46	55	56
0.5-0.9	13	12	17	13	13
1.0-1.4	7	4	8	11	7
1.5-1.9	4	1	6	9	4
2.0-2.4	2	1	5	2	1
2.5-2.9	1	+	1	0	+
3.0-3.4	1	+	1	0	1
3.5-3.9	1	1	1	0	+
4.0-4.4	+	0	+	0	+
4.5-4.9	0	0	0	0	0
5.0-5.4	+	0	+	0	+
5.5-5.9	+	0	0	0	+
6.0-6.4	+	+	0	0	0
6.5-6.9	+	+	+	0	+
7.0-7.4	+	0	+	0	0
7.5-7.9	+	+	0	0	0
8.0-8.4	+	1	0	0	0
8.5-8.9	0	0	0	0	0
9.0-9.4	0	0	0	0	0
9.5-9.9	0	0	0	0	0
10 OR MORE	+	1	0	1	0

+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

TABLE IV-75

MEAN DAILY CONSUMPTION OF ETHANOL DURING PAST 12 MONTHS

(PERCENTAGE OF O4-O6 POPULATION)**

OUNCES OF ETHANOL CONSUMED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
MEAN DAILY CONSUMPTION OF ETHANOL					
TOTAL	100	100	100	100	100
NONE	7	8	4	12	9
> 0-0.4	55	58	62	41	49
0.5-0.9	17	14	18	18	13
1.0-1.4	11	12	9	14	12
1.5-1.9	4	3	5	8	5
2.0-2.4	2	2	*	2	4
2.5-2.9	1	1	1	2	1
3.0-3.4	1	1	1	0	1
3.5-3.9	*	*	0	0	*
4.0-4.4	1	1	*	0	*
4.5-4.9	*	*	0	0	0
5.0-5.4	*	0	0	0	*
5.5-5.9	*	0	0	1	*
6.0-6.4	0	0	0	0	0
6.5-6.9	0	0	0	0	0
7.0-7.4	*	0	0	0	*
7.5-7.9	*	0	0	0	*
8.0-8.4	*	0	0	0	*
8.5-8.9	0	0	0	0	0
9.0-9.4	0	0	0	0	0
9.5-9.9	0	0	0	0	0
10 OR MORE	*	0	0	1	0

* LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

'NONE' INCLUDES PERSONS DRINKING LESS THAN EIGHT CANS, GLASSES, OR DRINKS DURING THE PAST YEAR AND WHO DID NOT DRINK AT ALL DURING THE PAST 30 DAYS.

drink of beer, wine, or hard liquor.[1] E1-E5's are, by far, the group with the highest proportion of personnel at risk (10.9 percent), followed by E6-E9's (3.1 percent), O1-O3's (0.7 percent), O4-O6's (0.6 percent) and W1-W4's (0.2 percent).

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[1] One 12 ounce drink of beer contains about 0.48 ounce of ethanol; one four ounce glass of wine contains about 0.48 ounce of ethanol; and one drink of hard liquor contains about 0.7 ounce of ethanol. The last is based on respondents, estimates that their average drink contained 1.7 ounces of hard liquor; multiplying 1.7 times 0.43 ounce, the typical quantity of ethanol in an ounce of hard liquor, results in 0.7.

Alcohol Dependence

For the purpose of this analysis, a person is defined as "alcohol dependent" who, during the preceding 12 month period, experienced one or more of the following symptoms during at least 48 of the 52 weeks: (1) tremors (shakes), (2) morning drinking, (3) impaired control, and (4) blackouts.[1] The specific definitions provided to respondents for each symptom were as follows:

- Tremors (shakes)--"I had the 'shakes' because of drinking."
- Morning drinking--"I took a drink the first thing when I got up in the morning."
- Impaired control--"I could not stop drinking before becoming drunk."
- Blackouts--"I awakened the next day unable to remember what I had done while drinking the day before."

Respondents were asked to indicate how frequently each of the above symptoms had occurred. A scale score was computed indicating the number of weeks at least one symptom had ocurred during the past 12 months.

Based on the alcohol dependence scale, Table IV-76 depicts the percentage of the respondents who were alcohol dependent during the preceding 12 months. The "total worldwide" rates show that 7 percent of all military personnel were alcohol dependent during the past 12 months and that alcohol dependency occurred predominantly among junior enlisted (10 percent) and senior enlisted personnel (3 percent).

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[1] The Department of Defense specified that this definition, used in a 1977 survey of Air Force personnel conducted by the RAND Corporation, was to be employed in this survey.

TABLE IV-76

ALCOHOL DEPENDENCE DURING PAST 12 MONTHS (PERCENTAGE OF POPULATION)

REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	7	8	10	11	4
E1-E5	10	11	13	14	5
E6-E9	4	4	5	4	2
01-03	1	1	+	3	0
04-06	+	0	0	1	1
EUROPE					
TOTAL	6	8	5	*	3
E1-E5	9	11	7	*	4
E6-E9	1	2	1	*	1
01-03	+	0	1	*	0
04-06	1	-	3	*	0
PACIFIC					
TOTAL	7	5	7	11	6
E1-E5	10	8	12	13	7
E6-E9	3	4	3	2	4
01-03	3	2	1	-	1
04-06	0	0	-	0	2
OTHER LOCATIONS					
TOTAL	4	5	4	*	4
E1-E5	5	6	4	*	6
E6-E9	3	3	3	*	3
01-03	0	-	-	*	-
04-06	4	-	-	*	-
TOTAL WORLDWIDE					
TOTAL	7	8	9	11	4
E1-E5	10	11	12	14	5
E6-E9	3	3	5	4	2
W1-W4	+	0	0	-	*
01-03	1	1	+	5	+
04-06	+	0	1	1	1

NOTE: A PERSON IS DEFINED AS "ALCOHOL DEPENDENT" WHO, DURING THE PRECEDING 12 MONTH PERIOD, EXPERIENCED ONE OR MORE OF THE FOLLOWING SYMPTOMS DURING AT LEAST 48 WEEKS: (1) TREMORS (SHAKES), (2) MORNING DRINKING, (3) IMPAIRED CONTROL, AND (4) BLACKOUTS.

* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.

Alcohol dependency was rare among warrant officers and commissioned officers (1 percent or less for each group). This pattern by pay grade holds for the total population in the CONUS, Europe, and Pacific regions. The somewhat different pattern shown for Other Locations should be interpreted cautiously because of the small sample sizes. The rates for officers should be viewed with considerable caution due to the small sample sizes.

The patterns described above are quite consistent with the rates of heavy drinking described previously. This is, of course, to be expected because of the substantial correlation between heavy drinking and alcohol dependency.

Consequences of Alcohol Use

The respondents were asked to indicate whether certain consequences had occurred because of their use of alcohol during the preceding 12 months. These are the same consequences as were considered earlier for drug use. Table IV-77 depicts the percentage of respondents who reported that each of two general consequences of alcohol use had occurred during the preceding 12 months. Twenty percent of all respondents reported having been "drunk without planning to" and 11 percent indicated they were "drunk more than one day at a time" at least once during the preceding 12 months. Twenty-three percent indicated they had suffered at least one of these consequences during that period.

Turning now to more specific consequences of alcohol use, Tables IV-78 through IV-83 depict the percentages of respondents who reported that each of 15 physical, social, or work consequences of alcohol use had occurred during the preceding 12 months. It is believed that this set of consequences constitute a superior indication of hard core alcohol problems than the more general set described previously. There was considerable overlap in responses among the 15 specific consequences. This implies, for example, that a person who received judicial or Article 15 punishment because of alcohol use might also have failed to get promoted. The total figures in Table IV-78, reflecting unduplicated counts, show that 11 percent of all respondents reported suffering at least one consequence during the preceding 12 months.

TABLE IV-77

GENERAL CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF POPULATION)

PAY GRADE/ CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL					
BECAME DRUNK WITHOUT PLANNING TO	20	16	25	23	18
DRUNK MORE THAN ONE DAY AT A TIME	11	10	16	16	6
TOTAL WITH EITHER CONSEQUENCE	23	19	31	29	20
E1-E5					
BECAME DRUNK WITHOUT PLANNING TO	22	18	27	24	20
DRUNK MORE THAN ONE DAY AT A TIME	15	13	22	20	9
TOTAL WITH EITHER CONSEQUENCE	27	22	35	32	23
E6-E9					
BECAME DRUNK WITHOUT PLANNING TO	17	12	23	20	14
DRUNK MORE THAN ONE DAY AT A TIME	4	4	7	4	2
TOTAL WITH EITHER CONSEQUENCE	17	13	24	21	15
W1-W4					
BECAME DRUNK WITHOUT PLANNING TO	9	3	18	-	*
DRUNK MORE THAN ONE DAY AT A TIME	+	0	1	-	*
TOTAL WITH EITHER CONSEQUENCE	9	3	18	-	*
O1-O3					
BECAME DRUNK WITHOUT PLANNING TO	16	13	24	15	12
DRUNK MORE THAN ONE DAY AT A TIME	2	3	1	4	+
TOTAL WITH EITHER CONSEQUENCE	16	15	23	16	12
O4-O6					
BECAME DRUNK WITHOUT PLANNING TO	12	7	12	21	14
DRUNK MORE THAN ONE DAY AT A TIME	+	0	+	1	1
TOTAL WITH EITHER CONSEQUENCE	12	7	12	21	15

* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.

TABLE IV-78

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS--TOTAL DOD
(PERCENTAGE OF POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	2	2	2	2	1
DID NOT GET PROMOTED	2	2	1	3	1
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	2	2	3	4	1
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	2	3	2	3	1
ARRESTED FOR DRIVING AFTER DRINKING	3	3	3	5	2
ARRESTED FOR NON DRIVING DRINKING INCIDENT	2	3	3	4	1
INCARCERATED DUE TO DRINKING	3	2	4	5	1
HURT IN ACCIDENT CONNECTED WITH DRINKING	2	2	4	4	1
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	2	2	3	3	1
SPOUSE THREATENED TO LEAVE	2	2	2	2	1
HIT SPOUSE OR CHILDREN	1	1	1	2	1
SPOUSE LEFT	1	1	+	1	+
ENTERED REHABILITATION OR TREATMENT PROGRAM	2	2	2	2	1
ATTENDED TRAINING OR EDUCATION PROGRAM	2	2	2	3	1
DETOXIFIED	1	1	1	1	+
TOTAL WITH ANY CONSEQUENCE 1/	11	11	14	17	6

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

TABLE IV-79

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF E1-E5 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	3	3	3	3	1
DID NOT GET PROMOTED	2	3	2	4	1
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	3	3	3	5	1
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	3	4	2	4	1
ARRESTED FOR DRIVING AFTER DRINKING	4	4	4	6	2
ARRESTED FOR NON DRIVING DRINKING INCIDENT	4	4	5	5	1
INCARCERATED DUE TO DRINKING	4	3	5	6	1
HURT IN ACCIDENT CONNECTED WITH DRINKING	3	3	5	5	2
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	2	2	4	4	1
SPOUSE THREATENED TO LEAVE	2	2	2	2	1
HIT SPOUSE OR CHILDREN	1	2	1	2	1
SPOUSE LEFT	1	1	1	1	+
ENTERED REHABILITATION OR TREATMENT PROGRAM	2	3	3	3	2
ATTENDED TRAINING OR EDUCATION PROGRAM	3	3	3	3	2
DETOXIFIED	1	1	1	1	1
TOTAL WITH ANY CONSEQUENCE 1/	14	15	18	21	8

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.
+ LESS THAN HALF OF ONE PERCENT.

TABLE IV-80

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF E6-E9 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	1	1	*	1	1
DID NOT GET PROMOTED	*	*	1	1	*
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	1	*	2	4	*
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	1	1	1	1	*
ARRESTED FOR DRIVING AFTER DRINKING	2	1	2	4	1
ARRESTED FOR NON DRIVING DRINKING INCIDENT	*	1	*	1	0
INCARCERATED DUE TO DRINKING	1	1	1	4	1
HURT IN ACCIDENT CONNECTED WITH DRINKING	1	*	1	2	*
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	1	1	1	*	*
SPOUSE THREATENED TO LEAVE	2	2	3	4	2
HIT SPOUSE OR CHILDREN	1	1	1	2	1
SPOUSE LEFT	*	1	*	1	*
ENTERED REHABILITATION OR TREATMENT PROGRAM	1	2	1	3	1
ATTENDED TRAINING OR EDUCATION PROGRAM	2	1	2	3	1
DETOXIFIED	*	*	*	1	*
TOTAL WITH ANY CONSEQUENCE 1/	7	6	8	11	5

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

* LESS THAN HALF OF ONE PERCENT.

TABLE IV-81

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF W1-W4 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	0	0	0	-	*
DID NOT GET PROMOTED	0	0	0	-	*
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	0	0	0	-	*
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	0	0	0	-	*
ARRESTED FOR DRIVING AFTER DRINKING	0	0	0	-	*
ARRESTED FOR NON DRIVING DRINKING INCIDENT	0	0	0	-	*
INCARCERATED DUE TO DRINKING	0	0	0	-	*
HURT IN ACCIDENT CONNECTED WITH DRINKING	1	0	3	-	*
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	1	0	3	-	*
SPOUSE THREATENED TO LEAVE	0	0	0	-	*
HIT SPOUSE OR CHILDREN	0	0	0	-	*
SPOUSE LEFT	+	+	0	-	*
ENTERED REHABILITATION OR TREATMENT PROGRAM	0	0	0	-	*
ATTENDED TRAINING OR EDUCATION PROGRAM	0	0	0	-	*
DETOXIFIED	0	0	0	-	*
TOTAL WITH ANY CONSEQUENCE 1/	1	0	3	-	*

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.
* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.

TABLE IV-82

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF 01-03 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	+	0	0	1	+
DID NOT GET PROMOTED	+	0	0	1	0
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	+	+	+	+	+
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	+	0	0	1	+
ARRESTED FOR DRIVING AFTER DRINKING	+	0	+	1	+
ARRESTED FOR NON DRIVING DRINKING INCIDENT	+	1	0	1	0
INCARCERATED DUE TO DRINKING	+	+	+	1	0
HURT IN ACCIDENT CONNECTED WITH DRINKING	+	+	0	0	+
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	+	+	1	1	+
SPOUSE THREATENED TO LEAVE	+	0	1	1	+
HIT SPOUSE OR CHILDREN	+	+	0	1	0
SPOUSE LEFT	+	0	0	1	0
ENTERED REHABILITATION OR TREATMENT PROGRAM	+	0	0	1	+
ATTENDED TRAINING OR EDUCATION PROGRAM	+	0	0	1	+
DETOXIFIED	+	0	0	1	0
TOTAL WITH ANY CONSEQUENCE 1/	1	2	3	2	+

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

TABLE IV-83

CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF 04-06 POPULATION)

CONSEQUENCE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	+	0	0	0	+
DID NOT GET PROMOTED	2	0	7	1	0
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	+	0	1	0	0
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	+	0	1	1	0
ARRESTED FOR DRIVING AFTER DRINKING	+	1	0	0	0
ARRESTED FOR NON DRIVING DRINKING INCIDENT	0	0	0	0	0
INCARCERATED DUE TO DRINKING	+	1	0	0	0
HURT IN ACCIDENT CONNECTED WITH DRINKING	0	0	0	0	0
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	+	0	+	0	+
SPOUSE THREATENED TO LEAVE	1	0	1	0	1
HIT SPOUSE OR CHILDREN	1	1	+	0	1
SPOUSE LEFT	0	0	0	0	0
ENTERED REHABILITATION OR TREATMENT PROGRAM	0	0	0	0	0
ATTENDED TRAINING OR EDUCATION PROGRAM	+	1	0	0	0
DETOXIFIED	0	0	0	0	0
TOTAL WITH ANY CONSEQUENCE 1/	3	1	7	2	1

1/ PERCENTAGE OF POPULATION WITH AT LEAST ONE OF THE CONSEQUENCES DURING THE PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

Another analysis investigated the extent to which respondents reported the occurrence of at least one of the 17 consequences (i.e., combing the two general consequences and the 15 specific consequences). Table IV-84 shows that 27 percent of the respondents indicated that at least one of the 17 consequences had occurred at least once during the past 12 months.

The patterns for all pay grade groups are similar to those just described for the composite total, but the proportions of respondents suffering the consequences vary considerably by pay grade group. The rank order by percentage of respondents suffering consequences is: E1-E5's, E6-E9's, O1-O3's, O4-O6's, W1-W4's. An exception to this general pattern is that 7 percent of Navy senior officers reported that they did not get promoted because of their alcohol use. However, this finding should be viewed with considerable caution because of the small number of Navy senior officer respondents (n= 137). This consequence was reported infrequently (by 1 percent or less of respondents) in other Service/pay grade groups except for junior enlisted personnel.

For all pay grade groups, the consequence most frequently reported was "became drunk without planning to" and the next most frequently reported was "drunk more than one day at a time." The latter consequence was rarely reported by officers (O1-O3's, 2 percent; O4-O6's, <0.5 percent), but frequently reported by E1-E5's (15 percent) and occasionally by E6-E9's (4 percent).

TABLE IV-84

POPULATION WITH ANY OF 17 CONSEQUENCES OF ALCOHOL USE DURING PAST 12 MONTHS

PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL	27	24	35	35	22
E1 - E5	33	30	40	40	27
E6 - E9	19	15	26	25	17
W1 - W4	9	3	18	-	*
01 - 03	16	16	24	16	12
04 - 06	14	7	19	22	15

* NOT APPLICABLE.

- LESS THAN 30 RESPONDENTS.

Tables IV-85 and IV-86 depict the number of times any of the 17 general and specific consequences of alcohol use reportedly occurred during the past 12 months. Consequences had occurred for the total sample a median of three times.

Work Impairment Because of Alcohol Use

Tables IV-87 through IV-92 show percentages of all military personnel who indicated they had suffered work impairment because of alcohol use during the preceding 12 months. "Lowered performance" was the type of work impairment reported most commonly (22 percent) followed by "late for work or left early" (13 percent), "drunk/high while working" (11 percent) and "did not come to work" (5 percent). There is considerable overlap among the four categories. The total reflects an unduplicated count of the proportion of respondents suffering at least one consequence; 27 percent fall in this category.

The patterns of work impairment by pay grade group are in the following rank order by percentage of respondents suffering impairment: E1-E5's, E6-E9's, O1-O3's, O4-O6's, and W1-W4's. The type of work impairment most frequently reported by all pay grade groups was "lowered performance" and the median number of days this ocurred was 2-3. These patterns are similar to those discussed previously for the 17 consequences of alcohol use.

TABLE IV-85

NUMBER OF TIMES ANY CONSEQUENCE OF ALCOHOL USE OCCURRED DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)**

NUMBER OF TIMES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
TOTAL DOD					
TOTAL	100	100	100	100	100
0	73	76	65	65	78
1	5	5	6	5	5
2	4	4	4	5	4
3	8	6	10	10	7
4	2	1	3	3	1
5	1	1	2	2	1
6-8	4	4	6	5	3
9-11	2	1	3	2	1
12-14	1	1	1	1	*
15-19	*	*	*	*	*
20 OR MORE	*	*	*	1	*

* LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

NOTE: FIGURES INCLUDE W1-W4'S.

TABLE IV-86

NUMBER OF TIMES ANY CONSEQUENCE OF ALCOHOL USE OCCURRED DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)**

NUMBER OF TIMES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
E1-E5					
TOTAL	100	100	100	100	100
0	67	70	60	60	73
1	6	6	6	6	5
2	4	4	4	5	5
3	9	8	11	10	8
4	2	2	4	3	2
5	2	2	2	3	1
6-8	6	5	8	7	4
9-11	2	2	3	3	1
12-14	1	1	1	1	+
15-19	+	1	1	+	+
20 OR MORE	+	+	+	1	+
E6-E9					
TOTAL	100	100	100	100	100
0	81	85	74	75	83
1	4	2	5	4	4
2	4	3	4	5	4
3	7	4	9	9	6
4	1	+	1	2	1
5	1	1	2	1	1
6-8	3	3	3	1	2
9-11	1	1	2	1	+
12-14	+	0	+	1	0
15-19	+	+	+	1	+
20 OR MORE	+	+	+	0	0

+ LESS THAN HALF OF ONE PERCENT.
** PERCENT MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-86 (cont)

NUMBER OF TIMES ANY CONSEQUENCE OF ALCOHOL USE OCCURRED DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)**

NUMBER OF TIMES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
W1-W4					
TOTAL	100	100	100	-	*
0	91	97	82		*
1	3	0	9		*
2	2	1	3		*
3	3	1	3		*
4	+	+	0		*
5	+	0	3		*
6-8	+	0	1		*
9-11	0	0	0		*
12-14	0	0	0		*
15-19	0	0	0		*
20 OR MORE	0	0	0		*
01-03					
TOTAL	100	100	100	100	100
0	86	93	81	78	85
1	3	2	1	6	5
2	3	1	6	5	4
3	6	3	10	10	6
4	+	0	+	1	1
5	+	1	0	0	0
6-8	+	0	1	0	+
9-11	0	0	0	0	0
12-14	0	0	0	0	0
15-19	0	0	0	0	0
20 OR MORE	0	0	0	0	0

- LESS THAN 30 RESPONDENTS
* NOT APPLICABLE
+ LESS THAN HALF OF ONE PERCENT
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING

TABLE IV-86 (cont)

NUMBER OF TIMES ANY CONSEQUENCE OF ALCOHOL USE OCCURRED DURING PAST 12 MONTHS

(PERCENTAGE OF POPULATION)**

NUMBER OF TIMES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
04-06					
TOTAL	100	100	100	100	100
0	86	93	81	78	85
1	3	2	1	6	5
2	3	1	6	5	4
3	6	3	10	10	6
4	+	0	+	1	1
5	+	1	0	0	0
6-8	+	0	1	0	+
9-11	0	0	0	0	0
12-14	0	0	0	0	0
15-19	0	0	0	0	0
20 OR MORE	0	0	0	0	0

+ LESS THAN HALF OF ONE PERCENT
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING

TABLE IV-87

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS--TOTAL DOD
(PERCENTAGE OF POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	78	81	70	71	83
1	5	5	6	7	5
2-3	7	5	10	9	6
4-11	6	5	8	8	4
12-39	2	2	4	3	1
40 OR MORE	2	2	3	2	1
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	87	87	83	84	90
1	4	4	4	4	4
2-3	4	4	6	6	3
4-11	3	2	4	3	2
12-39	1	1	1	1	+
40 OR MORE	1	2	2	2	+
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	95	94	95	95	98
1	1	1	2	2	1
2-3	1	1	2	1	1
4-11	1	1	1	1	+
12-39	+	+	+	+	+
40 OR MORE	1	2	1	1	+
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	89	89	84	85	94
1	2	2	3	3	2
2-3	3	3	4	4	2
4-11	3	2	4	3	1
12-39	1	1	2	2	+
40 OR MORE	2	3	3	3	+
TOTAL WITH ANY IMPAIRMENT 1/	27	24	35	34	20

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT.
AT LEAST ONCE DURING PAST 12 MONTHS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-88

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF E1-E5 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	74	77	66	68	81
1	6	6	6	7	5
2-3	8	6	12	10	7
4-11	7	6	10	9	5
12-39	3	2	4	3	2
40 OR MORE	2	3	3	3	1
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	84	85	79	83	88
1	5	5	5	4	5
2-3	5	4	8	7	4
4-11	3	3	5	3	2
12-39	1	1	2	1	+
40 OR MORE	2	2	2	2	1
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	94	92	93	94	98
1	2	2	2	2	1
2-3	2	2	2	1	1
4-11	1	1	1	1	+
12-39	+	1	+	1	+
40 OR MORE	1	2	1	2	+
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	85	84	79	81	93
1	3	3	4	3	3
2-3	4	4	6	5	2
4-11	3	3	5	4	1
12-39	2	2	2	3	+
40 OR MORE	3	4	3	4	1
TOTAL WITH ANY IMPAIRMENT 1/	31	29	40	38	24

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT. AT LEAST ONCE DURING PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-89

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF E6-E9 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	83	87	78	78	86
1	4	2	5	6	4
2-3	5	4	6	8	5
4-11	5	5	7	5	4
12-39	1	+	3	1	+
40 OR MORE	1	2	2	2	+
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	91	91	90	85	93
1	3	3	2	4	2
2-3	3	3	3	5	2
4-11	2	2	2	5	2
12-39	+	+	+	+	+
40 OR MORE	1	1	1	1	+
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	98	98	97	97	98
1	1	1	+	2	1
2-3	+	+	1	+	1
4-11	+	+	+	+	+
12-39	+	+	0	0	+
40 OR MORE	1	1	1	1	+
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	95	96	93	93	97
1	1	1	2	3	1
2-3	1	1	1	3	1
4-11	1	1	2	0	+
12-39	+	+	+	+	+
40 OR MORE	1	1	2	1	+
TOTAL WITH ANY IMPAIRMENT 1/	19	16	25	25	16

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT.
AT LEAST ONCE DURING PAST 12 MONTHS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-90

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF W1-W4 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	-	*
0	91	96	88		*
1	4	1	3		*
2-3	4	2	5		*
4-11	1	0	3		*
12-39	0	0	0		*
40 OR MORE	1	1	0		*
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	-	*
0	98	98	100		*
1	1	+	0		*
2-3	+	0	0		*
4-11	+	0	0		*
12-39	0	0	0		*
40 OR MORE	1	1	0		*
DID NOT COME TO WORK					
TOTAL	100	100	100	-	*
0	99	99	100		*
1	0	0	0		*
2-3	0	0	0		*
4-11	0	0	0		*
12-39	0	0	0		*
40 OR MORE	1	1	0		*
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	-	*
0	99	99	100		*
1	0	0	0		*
2-3	0	0	0		*
4-11	0	0	0		*
12-39	0	0	0		*
40 OR MORE	1	1	0		*
TOTAL WITH ANY IMPAIRMENT 1/	9	4	12	-	*

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT. AT LEAST ONCE DURING PAST 12 MONTHS.
* NOT APPLICABLE.
- LESS THAN 30 RESPONDENTS.
+ LESS THAN HALF OF ONE PERCENT.
** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-91

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS (PERCENTAGE OF 01-03 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	85	88	72	80	90
1	6	4	9	12	5
2-3	6	4	12	6	3
4-11	3	4	4	2	1
12-39	1	1	3	0	+
40 OR MORE	+	+	0	0	0
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	93	92	91	95	95
1	4	4	5	4	2
2-3	3	3	4	1	3
4-11	1	1	+	0	+
12-39	0	0	0	0	0
40 OR MORE	+	+	0	0	0
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	100	100	100	98	100
1	+	0	+	2	+
2-3	+	0	0	0	+
4-11	0	0	0	0	0
12-39	0	0	0	0	0
40 OR MORE	+	+	0	0	0
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	97	98	94	99	98
1	1	1	3	0	1
2-3	1	1	3	0	1
4-11	+	1	+	1	+
12-39	0	0	0	0	0
40 OR MORE	+	+	0	0	0
TOTAL WITH ANY IMPAIRMENT 1/	17	15	29	21	12

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT. AT LEAST ONCE DURING PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

TABLE IV-92

WORK IMPAIRMENT DUE TO ALCOHOL USE DURING PAST 12 MONTHS
(PERCENTAGE OF 04-06 POPULATION)**

IMPAIRMENT/NUMBER OF DAYS HAPPENED	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
LOWERED PERFORMANCE					
TOTAL	100	100	100	100	100
0	90	93	92	86	86
1	3	1	2	2	5
2-3	6	5	5	7	8
4-11	1	1	1	4	2
12-39	+	1	+	0	0
40 OR MORE	0	0	0	0	0
LATE FOR WORK/LEFT EARLY					
TOTAL	100	100	100	100	100
0	96	99	93	92	95
1	1	0	+	1	2
2-3	1	0	+	7	3
4-11	+	1	+	0	1
12-39	+	0	+	0	0
40 OR MORE	1	0	6	0	0
DID NOT COME TO WORK					
TOTAL	100	100	100	100	100
0	99	100	100	100	98
1	1	0	0	0	1
2-3	+	0	0	0	1
4-11	0	0	0	0	0
12-39	0	0	0	0	0
40 OR MORE	0	0	0	0	0
DRUNK/HIGH WHILE WORKING					
TOTAL	100	100	100	100	100
0	97	100	93	100	97
1	1	0	0	0	2
2-3	+	0	+	0	1
4-11	+	0	+	0	0
12-39	0	0	0	0	0
40 OR MORE	1	0	6	0	0
TOTAL WITH ANY IMPAIRMENT 1/	12	7	14	15	15

1/ PERCENTAGE OF POPULATION WITH ANY IMPAIRMENT. AT LEAST ONCE DURING PAST 12 MONTHS.

+ LESS THAN HALF OF ONE PERCENT.

** PERCENTS MAY NOT ADD TO 100 DUE TO ROUNDING.

V. COMPARISON OF NONMEDICAL DRUG USE AND ALCOHOL USE BETWEEN MILITARY PERSONNEL AND CIVILIANS

This analysis is restricted to the subpopulations at highest risk for nonmedical drug use in both military and civilian populations: persons 18 through 25 years old. The data have been standardized with respect to the variables that are most closely correlated with nonmedical drug use: sex, age, marital status, and education. Standardization with respect to these variables serves to provide prevalence rates that are not biased by the differences in occurrence of these characteristics in the two populations. The specific procedures employed to standardize the data are described in Appendix I.

The comparison is limited by the fact that the National Survey on Drug Abuse was conducted about a year earlier than the survey of military personnel; therefore the time periods are not wholly comparable. Further, the civilian survey, like all household surveys, excluded persons living in dormitories, some other group quarters, and persons with no fixed address. Persons such as students living in college dormitories and persons with no fixed address may be characterized by higher prevalence rates than persons living in households, particularly for some stronger substances such as heroin.[1]

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[1] Fishburne, P. M., Abelson, H. I., and Cisin, I. National Survey on Drug Use: Main Findings 1979. Rockville, Maryland: National Institute on Drug Abuse, 1980, p. 2.

Table V-1 depicts the prevalence of nonmedical drug use and alcohol use among military personnel and comparable civilians ages 18 through 25. With respect to current use, the civilian prevalence is slightly higher for two drugs: marijuana/hasish (military, 40 percent; civilian, 42 percent) and cocaine (military, 7 percent; civilian, 10 percent). The current use rate for amphetamines and other uppers is higher for military personnel than for civilian (10 percent versus 4 percent, respectively).

With respect to annual use, the civilian prevalence rate is higher than the military prevalence rate for the following drugs: marijuana/hashish (military, 52 percent; civilian, 54 percent); cocaine (military, 18 percent, civilain, 23 percent); barbiturates or other downers (military, 9 percent; civilian, 10 percent); and tranquilizers (military, 9 percent; civilian, 12 percent). The military annual prevalence rate is higher than the civilian prevalence rate for the following drugs: amphetamines or other uppers (military, 21 percent; civilian, 12 percent); hallucinogens (military, 13 percent; civilian, 12 percent); and heroin (military, 3 percent; civilian, 1 percent).

In summary, prevalence of current nonmedical drug use for military personnel is slightly lower or equal to civilian use for all drug types analyzed, with the exception of amphetamines or other uppers. Prevalence of annual use is lower for military personnel than civilians with respect to four drug types and higher than civilians for three drug types. There

TABLE V-1

PREVALENCE OF NONMEDICAL DRUG USE AND ALCOHOL USE AMONG MILITARY PERSONNEL AND COMPARABLE CIVILIANS--AGES 18-25 (PERCENTAGE OF 18-25 YEAR OLD POPULATION)

TYPE	MILITARY (n= 8224)	COMPARABLE CIVILIANS[1] (n= 2022)
MARIJUANA/HASHISH		
PAST 30 DAYS	40	42
PAST 12 MONTHS	52	54
AMPHETAMINES OR OTHER UPPERS		
PAST 30 DAYS	10	4
PAST 12 MONTHS	21	12
COCAINE		
PAST 30 DAYS	7	10
PAST 12 MONTHS	18	23
HALLUCINOGENS		
PAST 30 DAYS	5	5
PAST 12 MONTHS	13	12
BARBITURATES OR OTHER DOWNERS		
PAST 30 DAYS	4	4
PAST 12 MONTHS	9	10
TRANQUILIZERS		
PAST 30 DAYS	3	3
PAST 12 MONTHS	9	12
HEROIN		
PAST 30 DAYS	1	1
PAST 12 MONTHS	3	1
ALCOHOL		
PAST 30 DAYS	84	82
PAST 12 MONTHS	93	90

[1] DATA STANDARDIZED WITH RESPECT TO SEX, AGE, MARITAL STATUS, AND EDUCATION. BASED ON SPECIAL TABULATIONS FROM THE 1979 NATIONAL SURVEY ON DRUG ABUSE.

is thus no general pattern of nonmedical drug use being more prevalent for military personnel than civilians.

Regarding alcohol use, slightly higher proportions of military personnel than civilians drank at all during the past 30 days and the past year. It would be of interest to compare rates of heavy drinking and occurrences of alcohol problems among military and civilian personnel. Unfortunately, the National Survey of Drug Abuse did not include such data; and data from the recent survey of American drinking practices[1] that are comparable with our data on the military population are not yet available. Therefore, such comparisons could not be made.

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[1] Sponsored by the National Institute on Alcohol Abuse and Alcoholism.

VI. FURTHER RESEARCH REQUIRED

In a very real sense, this report only scratches the surface of the subject of nonmedical drug use and alcohol use in the Military Services. There was insufficient time available to analyze all the interesting and important data that were obtained in the course of the survey. Further, the data analysis raised a number of issues that could not be explored or could only be explored partially because of the limited time available to analyze the data. This section contains some suggestions as to the future directions that should be taken to conduct further analyses of the data obtained in the survey.

Determine The Proportion of Servicemembers With Impaired Military Effectiveness

A number of indicators that could suggest impaired military effectiveness have been presented in Chapters II, III, and IV of this report. These include notably: drug and alcohol dependency, adverse physiological effects of alcohol use, many of the consequences of drug or alcohol use and work impairment because of drug or alcohol use. However, no attempt has been made, in the limited time available to analyze the data and prepare this report, to develop one or more composite typologies. Such a typology would permit assigning each servicemember to a category based on the extent to which his or her military effectiveness is impaired because of the individual's: (1) drug use, (2) alcohol use or (3) drug and alcohol use.

As an illustrative example, consider the following typology ranked from highest to lowest impact.

1. An individual is drug dependent, alcohol dependent, suffers adverse physiological effects of alcohol use, and/or scores "high"[1] on work impairment.
2. An individual is not high on above, but scores moderately high[1] on work impairment.
3. An individual is neither of the above, but scores high[1] on items relating to social disruption.
4. An individual is none of the above.

Separate typologies could be developed for alcohol and drugs; this would provide a better basis for planning remedial actions.

There are a number of other possible typologies that could help to focus more specifically on the impact of drug and alcohol abuse on military performance. The task would be to develop and test a number of different typologies and to select the one(s) that is (are) most useful and sensitive.

Characteristics of Drug and Alcohol Abusers

No analysis has been conducted to date of the characteristics of military personnel who are engaged in nonmedical drug use and in heavy alcohol use. It is of considerable interest to identify those characteristics that are correlated with this behavior. Some sophisticated mathematical and satistical tools, such as multiple discriminant analysis, may be used to identify clearly those characteristics that distinguish between drug abusers, alcohol abusers, combined drug and alcohol abusers, and non-abusers.

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[1] The "cutting score" will need to be defined after inspecting data distributions and conferring with DOD personnel.

Effect of the Military Environment on Drug and Alcohol Use

A number of questions were included in the questionnaire concerning the respondent's perception of the availability of drugs, where they could be obtained, reasons why he or she drank alcohol, and the effect of the environment on their drug and alcohol use. This information would be of substantial use to the Military Services in examining the environmental factors that influence nonmedical drug use and alcohol use.

Special Regional Analyses

The survey has uncovered several regional patterns that are particularly notable and should be analyzed further. For example, the Army in Europe exhibited unusually high patterns of use of certain drugs and the prevalence of nonmedical drug use among servicemembers there was generally higher than for Army personnel in other regions. Similarly, cocaine use was highest in the CONUS West and Hawaii subregions. It would be of substantial interest to conduct special analyses of these drug abuse patterns and the servicemembers' perceptions of the environment surrounding use of these drugs in these regions.

Career Intentions Related to Drug and Alcohol Use

The questionnaire included items concerning the career intentions of the respondents. It would be of considerable interest to relate career intentions to nonmedical drug and alcohol use.

Type of Duty Related to Drug and Alcohol Use

This analysis would investigate drug and alcohol use patterns as a function of the respondent's type of duty. Included would be analyses of whether he or she is overseas or otherwise away from his or her family.

Reasons for Drug and Alcohol Use

A number of questions were asked as to why an individual uses drugs and alcohol and, if they do not use them, why not. The servicemembers' personal reasons for using and not using drugs and alcohol could provide considerable insights that should be beneficial in designing prevention programs and developing policies concerning nonmedical drug use and alcohol use.

Comparison of Drug and Alcohol Use Before and After Arriving at an Installation

This analysis could provide some insights into whether the drug and alcohol use is influenced by the environment at an installation. For example, it may be emphasized that drug use is very much related to the availability of drugs and that this availability would vary at different installations. Further, it would be expected that heavy alcohol use would be influenced by the geographical isolation of a post, whether the individual is accompanied by his or her spouse, etc.

Comparison of Drug and Alcohol Use Before and After Entering the Service

The respondents were asked questions concerning whether their alcohol use had changed since entering the Service. This may be of use in trying to assess the extent to which Service entry may be associated with drug and alcohol use.

Military Occupational Specialty Related to Drug and Alcohol Use

The abuse of drugs and alcohol may be of special concern in certain classes of military occupational specialities. It would be of interest to isolate groups of specialities and determine the prevalence of nonmedical drug use and alcohol use, of consequences, and work impairment for these groups.

Availability of Drugs On and Off the Installations

Questions were asked concerning the extent to which drugs are available on and off installations. This information would be of considerable use in law enforcement efforts.

Social Climate and Pressures on Drug and Alcohol Use

A great deal of drug and alcohol use is influenced by the social climate and social pressures that might exist concerning their use. It would be of interest to analyze to what extent the respondents felt that such a situation was present in their social relationships or social environment.

Other Studies

In addition to the above studies, there are other special analyses that we believe would be extremely interesting and useful to policy makers in the Department of Defense and the Military Services:

- Relationships with supervisors and their workers related to drug and alcohol use
- Medical treatment required related to drug and alcohol use
- Problems and extent of cigarette smoking
- Reasons for not using drugs and alcohol
- Personal needs for help for a drug or drinking problem
- Dependent's need for help with a drug and drinking problem
- Job satisfaction related to drug and alcohol abuse
- Positive effects of drug and alcohol use

APPENDICES

A. SAMPLE WEIGHTING

B. POPULATION REPRESENTED BY THE SAMPLE

C. CONFIDENCE LIMITS AND SIGNIFICANCE OF DIFFERENCES

D. NUMBER OF RESPONDENTS

E. VALIDITY

F. RESPONSE RATES

G. COMPUTATION OF MEAN DAILY CONSUMPTION OF ETHANOL

H. QUESTIONNAIRE

I. STANDARDIZATION OF CIVILIAN AND MILITARY POPULATIONS

APPENDIX A

SAMPLE WEIGHTING

SAMPLE WEIGHTING

A sample weighting procedures was instituted in order to put the computed survey sample into balance with the actual DOD population (certain groups were excluded from the population base, e.g., recruits, transients). The design was disproportionate by Service, geographical region and pay grade. The weighting compensates by providing each servicemember the same chance of being selected to participate in the survey and, in the actual process, a weight was given each respondent. Weights were developed for each geographical region, referred to as a primary sampling unit (PSU). Within each PSU, weights were developed for each of five pay grades: E1-E5, E6-E9, W1-W4, O1-O3, O4-O6.

The weights were obtained by multiplying the number of Service personnel in each PSU and each of the five pay grades by $\frac{1}{Pi}$, where Pi is the probability of selection of the PSU.

This projection then was adjusted by a factor, using ratio estimating procedures, to force the Service pay grade total to equal known totals. The adjustment factor is the ratio of the known Service pay grade total divided by the survey estimate of Service pay grade. This adjustment was then multipiled by the previous estimated PSU pay grade projection. This total is then divided by the number of respondents within the PSU pay grade cell and the results is the weight that was applied to the PSU pay grade cell, or the respondents in that cell.

We have then:

$$DOD = \hat{A} + \hat{M} + \hat{N} + \hat{F}$$

WHERE

DOD = A Department of Defense total

$\hat{A}$ = An Army estimated total

$\hat{M}$ = A Marine Corps estimated total

$\hat{N}$ = A Navy estimated total

$\hat{F}$ = An Air Force estimated total

W_{ij} = Weight used for PSU pay grade cell

$$= \frac{\frac{1}{Pi} \times A_{ij} \times \frac{A_j}{\sum\left(\frac{1}{Pi} \quad A_{ij}\right)}}{a_{ij},\ m_{ij},\ n_{ij},\ f_{ij}}$$

Pi = Probability of selection of PSU

A_{ij} = Total Service personnel within PSU pay grade

A_j = Total Service personnel within pay grade

WHERE

a_{ij} = Number of Army personnel interviewed within a PSU pay grade

m_{ij} = Number of Marine Corps personnel interviewed within a PSU pay grade

n_{ij} = Number of Navy personnel interviewed within a PSU pay grade

f_{ij} = Number of Air Force personnel interviewed within a PSU pay grade

THEN

$$\hat{A} = \sum W_{ij} \quad a_{ij}$$

$$\hat{M} = \sum W_{ij} \quad m_{ij}$$

$$\hat{N} = \sum W_{ij} \quad n_{ij}$$

$$\hat{F} = \sum W_{ij} \quad f_{ij}$$

The weighted number of respondents determined from the application of this procedure equals the population from which the sample was drawn, or the actual population for each Service depicted in Appendix B.

APPENDIX B

POPULATION REPRESENTED BY THE SAMPLE

APPENDIX B-1

POPULATION REPRESENTED BY THE SAMPLE

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	1,393,269	454,158	416,283	128,951	393,878
E1-E5	924,659	304,537	282,565	95,412	242,146
E6-E9	251,356	77,221	85,085	18,951	70,099
W1-W4	14,498	9,066	3,091	2,341	*
O1-O3	126,085	39,207	28,121	8,243	50,514
O4-O6	76,671	24,127	17,421	4,004	31,119
EUROPE					
TOTAL	287,004	190,205	21,625	*	75,174
E1-E5	194,521	131,295	13,485	*	49,741
E6-E9	63,700	42,299	4,467	*	16,934
W1-W4	2,979	2,713	267	*	*
O1-O3	16,879	9,407	1,976	*	5,497
O4-O6	8,924	4,491	1,431	*	3,002
PACIFIC					
TOTAL	165,471	36,263	45,596	39,388	44,224
E1-E5	103,543	19,225	24,553	29,281	30,484
E6-E9	40,275	11,252	13,211	6,531	9,281
W1-W4	2,000	802	851	347	*
O1-O3	11,668	2,692	3,464	2,425	3,086
O4-O6	7,984	2,291	3,517	803	1,374
OTHER LOCATIONS					
TOTAL	44,023	18,388	14,892	*	10,744
E1-E5	29,170	13,159	8,667	*	7,344
E6-E9	9,595	3,093	4,250	*	2,251
W1-W4	625	352	273	*	*
O1-O3	2,881	1,160	911	*	810
O4-O6	1,753	624	790	*	339
TOTAL WORLDWIDE					
TOTAL	1,889,766	699,013	498,395	168,338	524,020
E1-E5	1,251,893	468,216	329,269	124,693	329,715
E6-E9	364,926	133,866	107,013	25,482	98,564
W1-W4	20,103	12,933	4,482	2,688	*
O1-O3	157,512	52,465	34,472	10,668	59,907
O4-O6	95,332	31,533	23,159	4,808	35,833

* NOT APPLICABLE.

APPENDIX B-2

POPULATION OF E1-E5's BY SUBREGION

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	924,659	304,537	282,565	95,412	242,146
EAST	608,118	234,696	217,530	39,228	116,664
WEST	316,542	69,841	65,035	56,184	125,422
EUROPE					
TOTAL	194,521	131,295	13,485	*	49,741
GERMANY	155,380	131,295	*	*	24,085
ITALY	7,477	*	7,477	*	*
ENGLAND	14,282	*	653	*	13,629
SPAIN	17,382	*	5,355	*	12,028
PACIFIC					
TOTAL	103,543	19,225	24,553	29,281	30,484
HAWAII	29,426	5,628	10,135	10,477	3,186
JAPAN	40,576	3,590	5,994	18,805	12,187
KOREA	18,943	10,007	*	*	8,936
PHILIPPINES	10,170	*	3,995	*	6,175
GUAM	4,429	*	4,429	*	*
OTHER LOCATIONS					
TOTAL	29,170	13,159	8,667	*	7,344
PANAMA CANAL	5,976	5,976	*	*	*
ALASKA	14,527	7,183	*	*	7,344
GUANTANAMO BAY	8,667	*	8,667	*	*
TOTAL WORLDWIDE	1,251,893	468,216	329,269	124,693	329,715

* NOT APPLICABLE.

APPENDIX C

CONFIDENCE LIMITS AND SIGNIFICANCE OF DIFFERENCES

CONFIDENCE LIMITS AND SIGNIFICANCE OF DIFFERENCES

An important issue in all prevalence surveys based on data obtained from samples of a population is the extent to which one can be confident that the prevalence estimates obtained accurately reflect the true prevalence for the entire population. That is, if every servicemember responded to the questionnaire, would the prevalence rate be substantially different from that obtained from the sample of personnel surveyed?

For any particular percentage given in the prevalence data tables, we cannot know exactly how much error has resulted from sampling. However, reasonably good estimates can be made of the range within which the responses of the total population would fall. The estimation of confidence limits for the results of the survey is a complex statistical procedure . The following formula has been used to determine asymmetric confidence limits at the 95% level of confidence for sample percentage estimates:

$$p_L = p' - 1.96 \left[p_L(1-p_L)/n\right]^{\frac{1}{2}} \quad (1.3)$$

$$p_U = p' + 1.96 \left[p_U(1-p_U)/n\right]^{\frac{1}{2}} \quad (1.3)$$

Where:

p_L = the lower limit of the confidence interval

p' = the estimate based on the sample

n = the sample size

p_U = the upper limit of the confidence interval

Table C-1 depicts the upper and lower confidence limits for sample estimates.

In comparing two sample estimates, it is important to determine whether the difference between the two estimates is statistically significant. That is, can the difference reasonably be attributable to sampling variations or is it "real". Table C-2 displays, for various sample sizes, the minimum difference between two percentage estimates that would be required for the difference to be statistically significant at the .05 level of confidence. For example, if a percentage result is 20 percent for E1-E5's and 15 percent for E6-E9's and the respective sample sizes were 1,000 and 500, there would have to be a difference of at least 5.6 percent for it to be considered a real difference and not attributable to chance. Thus, for this example, the difference would not be statistically significant at the .05 level.

TABLE C-1

CONFIDENCE LIMITS FOR SAMPLE ESTIMATES

	OBSERVED PERCENTAGE														
	1.0%		3.0%		5.0%		10.0%		20.0%		30.0%		40.0%		50.0%
	-	+	-	+	-	+	-	+	-	+	-	+	-	+	±
n= 100	0.9%	6.7%	2.3%	7.8%	3.3%	8.6%	5.4%	10.2%	8.3%	11.9%	10.2%	12.6%	11.5%	12.7%	12.4%
200	0.8%	3.8%	1.9%	4.8%	2.7%	5.5%	4.3%	6.7%	6.2%	8.1%	7.6%	8.7%	8.4%	9.0%	8.8%
300	0.7%	2.8%	1.7%	3.6%	2.4%	4.3%	3.6%	5.3%	5.2%	6.4%	6.2%	7.1%	7.0%	7.4%	7.3%
400	0.7%	2.2%	1.6%	3.0%	2.2%	3.5%	3.2%	4.5%	4.5%	5.5%	5.5%	6.1%	6.0%	6.3%	6.3%
500	0.6%	1.9%	1.5%	2.6%	2.0%	3.1%	3.0%	4.0%	4.2%	4.9%	5.0%	5.4%	5.4%	5.7%	5.6%
600	0.6%	1.7%	1.4%	2.3%	1.9%	3.0%	2.7%	3.5%	3.8%	4.5%	4.6%	5.0%	5.0%	5.2%	5.2%
700	0.6%	1.5%	1.2%	2.1%	1.8%	2.5%	2.5%	3.2%	3.5%	4.2%	4.3%	4.6%	4.5%	4.8%	4.8%
800	0.6%	1.4%	1.2%	2.0%	1.7%	2.3%	2.4%	3.0%	3.3%	3.8%	4.0%	4.3%	4.4%	4.5%	4.5%
900	0.5%	1.3%	1.1%	1.8%	1.6%	2.2%	2.3%	2.8%	3.2%	3.6%	3.7%	4.1%	4.1%	4.3%	4.3%
1000	0.5%	1.1%	1.1%	1.7%	1.5%	2.1%	2.2%	2.7%	3.0%	3.4%	3.5%	3.8%	3.8%	4.0%	4.1%
2000	0.4%	0.7%	0.8%	1.1%	1.1%	1.4%	1.6%	1.9%	2.2%	2.4%	2.6%	2.7%	2.8%	2.8%	2.8%
3000	0.4%	0.6%	0.7%	0.9%	0.9%	1.1%	1.4%	1.5%	1.8%	1.9%	2.1%	2.2%	2.3%	2.3%	2.3%
4000	0.3%	0.5%	0.6%	0.7%	0.8%	0.9%	1.1%	1.3%	1.6%	1.7%	1.8%	1.9%	2.0%	2.0%	2.0%
5000	0.3%	0.4%	0.5%	0.6%	0.7%	0.8%	1.0%	1.1%	1.4%	1.5%	1.7%	1.7%	1.8%	1.8%	1.8%
10000	0.2%	0.3%	0.4%	0.5%	0.5%	0.6%	0.7%	0.8%	1.0%	1.0%	1.2%	1.2%	1.2%	1.2%	1.3%
15000	0.2%	0.2%	0.3%	0.4%	0.4%	0.5%	0.6%	0.6%	0.8%	0.8%	0.9%	1.0%	1.0%	1.0%	1.0%
	+	-	+	-	+	-	+	-	+	-	+	-	+	-	±
	99.0%		97.0%		95.0%		90.0%		80.0%		70.0%		60.0%		50.0%
	OBSERVED PERCENTAGE														

TABLE C-2

DIFFERENCES REQUIRED FOR SIGNIFICANCE ACCORDING TO SAMPLE SIZE

SIZE OF SAMPLES COMPARED	OBSERVED PERCENTAGE						
	10% or 90%	20% or 80%	25% or 75%	30% or 70%	35% or 65%	40% or 60%	50%
3300 and 3300	1.9%	2.5%	2.7%	2.9%	3.0%	3.1%	3.1%
3000	1.9%	2.6%	2.8%	2.9%	3.0%	3.1%	3.2%
2500	2.0%	2.7%	2.9%	3.0%	3.2%	3.3%	3.3%
2000	2.2%	2.9%	3.1%	3.3%	3.4%	3.5%	3.6%
1500	2.4%	3.2%	3.4%	3.6%	3.7%	3.8%	4.0%
1000	2.8%	3.6%	4.0%	4.3%	4.4%	4.5%	4.6%
500	3.6%	4.9%	5.3%	5.6%	5.8%	6.0%	6.1%
3000 and 3000	2.0%	2.6%	2.8%	3.0%	3.1%	3.2%	3.3%
2500	2.1%	2.8%	3.0%	3.1%	3.3%	3.4%	3.4%
2000	2.2%	2.9%	3.2%	3.3%	3.5%	3.6%	3.6%
1500	2.4%	3.2%	3.5%	3.7%	3.8%	4.0%	4.1%
1000	2.8%	3.7%	4.1%	4.3%	4.5%	4.6%	4.7%
500	3.7%	4.9%	5.3%	5.6%	5.8%	6.0%	6.1%
2500 and 2500	2.2%	2.9%	3.1%	3.3%	3.4%	3.5%	3.6%
2000	2.3%	3.0%	3.3%	3.5%	3.6%	3.7%	3.8%
1500	2.5%	3.3%	3.6%	3.8%	4.0%	4.1%	4.2%
1000	2.9%	3.8%	4.2%	4.4%	4.6%	4.7%	4.8%
500	3.7%	5.0%	5.4%	5.7%	5.9%	6.1%	6.2%
2000 and 2000	2.4%	3.2%	3.5%	3.7%	3.8%	4.0%	4.1%
1800	2.5%	3.3%	3.5%	3.7%	4.0%	4.1%	4.2%
1600	2.6%	3.4%	3.7%	4.0%	4.1%	4.2%	4.3%
1400	2.7%	3.5%	3.8%	4.1%	4.3%	4.4%	4.5%
1200	2.8%	3.7%	4.1%	4.3%	4.5%	4.6%	4.7%
1000	2.9%	4.0%	4.3%	4.5%	4.7%	4.8%	4.9%
800	3.2%	4.3%	4.6%	4.9%	5.1%	5.2%	5.3%
600	3.5%	4.8%	5.1%	5.4%	5.6%	5.8%	5.9%
400	4.2%	5.6%	6.0%	6.3%	6.7%	6.9%	7.0%
200	5.7%	7.6%	8.2%	8.6%	9.0%	9.3%	9.5%

(CONTINUED)

SIZE OF SAMPLES COMPARED	OBSERVED PERCENTAGE						
	10% or 90%	20% or 80%	25% or 75%	30% or 70%	35% or 65%	40% or 60%	50%
1000 and 1000	3.4%	4.6%	4.9%	5.2%	5.4%	5.6%	5.7%
900	3.5%	4.7%	5.1%	5.4%	5.6%	5.7%	5.8%
800	3.6%	4.8%	5.2%	5.5%	5.7%	5.9%	6.0%
700	3.7%	5.0%	5.4%	5.7%	6.0%	6.1%	6.2%
600	4.0%	5.3%	5.7%	6.0%	6.2%	6.4%	6.6%
500	4.2%	5.6%	6.0%	6.3%	6.7%	6.9%	7.0%
400	4.5%	6.0%	6.6%	6.9%	7.2%	7.4%	7.5%
300	5.0%	6.8%	7.3%	7.7%	8.0%	8.2%	8.4%
200	5.9%	7.9%	8.5%	9.0%	9.5%	9.7%	9.9%
100	8.0%	10.7%	11.5%	12.3%	12.8%	13.1%	13.3%
900 and 900	3.6%	4.8%	5.2%	5.5%	5.7%	5.9%	6.0%
800	3.7%	5.0%	5.4%	5.7%	5.9%	6.0%	6.2%
700	3.8%	5.1%	5.5%	5.9%	6.1%	6.2%	6.4%
600	4.1%	5.4%	5.8%	6.1%	6.4%	6.6%	6.8%
500	4.3%	5.7%	6.1%	6.6%	6.8%	7.0%	7.1%
400	4.6%	6.1%	6.7%	7.0%	7.3%	7.5%	7.7%
300	5.1%	6.8%	7.4%	7.8%	8.1%	8.3%	8.5%
200	5.9%	8.0%	8.6%	9.2%	9.5%	9.8%	10.0%
100	8.0%	10.7%	11.6%	12.3%	12.7%	13.2%	13.4%
800 and 800	3.8%	5.1%	5.5%	5.8%	6.0%	6.2%	6.3%
700	4.0%	5.3%	5.7%	6.0%	6.2%	6.4%	6.6%
600	4.2%	5.5%	5.9%	6.3%	6.6%	6.8%	6.9%
500	4.3%	5.8%	6.2%	6.7%	7.0%	7.1%	7.3%
400	4.7%	6.2%	6.8%	7.2%	7.5%	7.6%	7.8%
300	5.2%	6.9%	7.5%	7.9%	8.2%	8.4%	8.6%
200	6.0%	8.0%	8.7%	9.3%	9.6%	9.9%	10.1%
100	8.1%	10.8%	11.8%	12.4%	12.9%	13.2%	13.5%

(CONTINUED)

TABLE C-2 (CONTINUED)

DIFFERENCES REQUIRED FOR SIGNIFICANCE ACCORDING TO SAMPLE SIZE

SIZE CF SAMPLES COMPARED	OBSERVED PERCENTAGE						
	10% or 90%	20% or 80%	25% or 75%	30% or 70%	35% or 65%	40% or 60%	50%
1800 and 1800	2.5%	3.4%	3.6%	3.8%	4.1%	4.2%	4.3%
1600	2.6%	3.5%	3.7%	4.1%	4.2%	4.3%	4.4%
1400	2.7%	3.6%	4.0%	4.2%	4.4%	4.5%	4.6%
1200	2.8%	3.8%	4.2%	4.4%	4.6%	4.7%	4.8%
1000	3.0%	4.1%	4.4%	4.6%	4.8%	4.9%	5.0%
800	3.2%	4.4%	4.7%	5.0%	5.2%	5.3%	5.4%
600	3.6%	4.8%	5.2%	5.5%	5.7%	5.9%	6.0%
400	4.3%	5.6%	6.1%	6.4%	6.8%	6.9%	7.1%
200	5.7%	7.6%	8.2%	8.7%	9.0%	9.3%	9.5%
1600 and 1600	2.7%	3.6%	4.0%	4.2%	4.3%	4.4%	4.5%
1400	2.8%	3.7%	4.1%	4.3%	4.5%	4.6%	4.7%
1200	2.9%	3.8%	4.3%	4.5%	4.7%	4.8%	4.9%
1000	3.1%	4.2%	4.5%	4.7%	4.9%	5.0%	5.1%
800	3.3%	4.4%	4.8%	5.1%	5.3%	5.4%	5.5%
600	3.6%	4.9%	5.3%	5.6%	5.8%	5.9%	6.1%
400	4.3%	5.5%	6.1%	6.6%	6.8%	7.0%	7.1%
200	5.7%	7.6%	8.3%	8.7%	9.2%	9.4%	9.6%
1400 and 1400	2.9%	3.8%	4.2%	4.4%	4.6%	4.7%	4.8%
1200	3.0%	4.1%	4.4%	4.6%	4.8%	4.9%	5.0%
1000	3.1%	4.3%	4.6%	4.8%	5.0%	5.2%	5.3%
800	3.4%	4.5%	4.9%	5.2%	5.4%	5.5%	5.6%
600	3.7%	5.0%	5.4%	5.7%	5.9%	6.1%	6.2%
400	4.4%	5.8%	6.2%	6.7%	6.9%	7.1%	7.2%
200	5.8%	7.7%	8.3%	8.8%	9.2%	9.5%	9.7%
1200 and 1200	3.1%	4.2%	4.5%	4.8%	5.0%	5.1%	5.2%
1000	3.2%	4.4%	4.7%	5.0%	5.2%	5.3%	5.4%
800	3.5%	4.7%	5.0%	5.3%	5.5%	5.7%	5.8%
600	3.8%	5.1%	5.5%	5.8%	6.0%	6.2%	6.3%
400	4.4%	5.9%	6.3%	6.8%	7.0%	7.2%	7.4%
200	5.8%	7.8%	8.4%	8.9%	9.3%	9.6%	9.8%

SIZE OF SAMPLES COMPARED	OBSERVED PERCENTAGE						
	10% or 90%	20% or 80%	25% or 75%	30% or 70%	35% or 65%	40% or 60%	50%
700 and 700	4.1%	5.4%	5.9%	6.2%	6.4%	6.7%	6.8%
600	4.3%	5.7%	6.1%	6.4%	6.8%	7.0%	7.1%
500	4.5%	5.9%	6.4%	6.9%	7.1%	7.3%	7.5%
400	4.8%	6.3%	6.9%	7.3%	7.6%	7.8%	8.0%
300	5.3%	7.1%	7.6%	8.0%	8.4%	8.6%	8.8%
200	6.1%	8.2%	8.8%	9.4%	9.8%	10.0%	10.2%
100	8.2%	10.9%	11.8%	12.5%	13.0%	13.3%	13.6%
600 and 600	4.4%	5.9%	6.3%	6.8%	7.0%	7.2%	7.4%
500	4.7%	6.1%	6.7%	7.1%	7.4%	7.6%	7.7%
400	4.9%	6.6%	7.1%	7.5%	7.8%	8.0%	8.2%
300	5.4%	7.2%	7.8%	8.2%	8.6%	8.8%	9.0%
200	6.2%	8.3%	9.0%	9.6%	9.9%	10.2%	10.4%
100	8.2%	11.0%	12.0%	12.6%	13.1%	13.5%	13.7%
500 and 500	4.8%	6.4%	7.0%	7.4%	7.7%	7.9%	8.0%
400	5.1%	6.9%	7.4%	7.8%	8.1%	8.4%	8.5%
300	5.6%	7.5%	8.0%	8.5%	8.8%	9.2%	9.3%
200	6.3%	8.5%	9.3%	9.8%	10.2%	10.4%	10/6%
100	8.4%	11.1%	12.1%	12.8%	13.3%	13.6%	13.9%
400 and 400	5.4%	7.2%	7.8%	8.2%	8.6%	8.8%	9.0%
300	5.8%	7.8%	8.4%	8.9%	9.3%	9.6%	9.8%
200	6.7%	8.8%	9.6%	10.1%	10.5%	10.8%	11.0%
100	8.5%	11.4%	12.4%	13.1%	13.6%	13.9%	14.2%
300 and 300	6.2%	8.3%	9.0%	9.6%	9.9%	10.2%	10.4%
200	7.0%	9.3%	10.1%	10.6%	11.1%	11.4%	11.6%
100	8.8%	11.8%	12.7%	13.5%	14.0%	14.5%	14.8%
200 and 200	7.6%	10.2%	11.0%	11.6%	12.1%	12.5%	12.7%
100	9.4%	12.5%	13.5%	14.4%	14.9%	15.3%	15.6%
100 and 100	10.8%	14.5%	15.6%	16.5%	17.2%	17.7%	18.0%

APPENDIX D

NUMBER OF RESPONDENTS

TABLE D-1

NUMBER OF RESPONDENTS

GEOGRAPHICAL REGION/PAY GRADE	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL	8,286	2,345	2,802	1,194	1,945
E1-E5	5,475	1,545	1,927	873	1,130
E6-E9	1,717	527	635	188	367
W1-W4	74	35	23	16	*
01-03	624	165	152	67	240
04-06	396	73	65	50	208
EUROPE					
TOTAL	2,329	923	557	*	849
E1-E5	1,547	660	361	*	526
E6-E9	476	175	128	*	173
W1-W4	18	14	4	*	*
01-03	163	46	32	*	85
04-06	125	28	32	*	65
PACIFIC					
TOTAL	3,766	1,076	1,084	624	982
E1-E5	2,531	659	738	478	656
E6-E9	836	283	245	94	214
W1-W4	37	19	13	5	*
01-03	223	69	59	29	66
04-06	139	46	29	18	46
OTHER LOCATIONS					
TOTAL	887	279	228	*	380
E1-E5	601	195	135	*	271
E6-E9	202	65	69	*	68
W1-W4	6	3	3	*	*
01-03	47	10	10	*	27
04-06	31	6	11	*	14
TOTAL WORLDWIDE					
TOTAL	15,268	4,623	4,671	1,818	4,156
E1-E5	10,154	3,059	3,161	1,351	2,583
E6-E9	3,231	1,050	1,077	282	822
W1-W4	135	71	43	21	*
01-03	1,057	290	253	96	418
04-06	691	153	137	68	333

* NOT APPLICABLE.

TABLE D-2

NUMBER OF E1-E5 RESPONDENTS

GEOGRAPHICAL REGION	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
CONUS					
TOTAL..................	5,475	1,545	1,927	873	1,130
EAST..................	3,612	1,236	1,379	492	505
WEST..................	1,863	309	548	381	625
EUROPE					
TOTAL..................	1,547	660	361	*	526
GERMANY................	859	660	*	*	199
ITALY..................	181	*	181	*	*
ENGLAND................	198	*	27	*	171
SPAIN..................	309	*	153	*	156
PACIFIC					
TOTAL..................	2,531	659	738	478	656
HAWAII.................	652	201	246	115	90
JAPAN..................	1,011	106	292	363	250
KOREA..................	545	352	*	*	193
PHILIPPINES............	214	*	91	*	123
GUAM...................	109	*	109	*	*
OTHER LOCATIONS					
TOTAL..................	601	195	135	*	271
PANAMA CANAL...........	85	85	*	*	*
ALASKA.................	381	110	*	*	271
GUANTANAMO BAY.........	135	*	135	*	*
TOTAL WORLDWIDE..........	10,154	3,059	3,161	1,351	2,583

* NOT APPLICABLE.

APPENDIX E

VALIDITY

VALIDITY

An issue of concern in any survey in which respondents are asked questions that are sensitive or possibly threatening is the validity of the responses. That is, to what extent have the respondents answered truthfully or, even if they consciously attempted to answer truthfully, to what extent have they unconsciously suppressed from their memories sensitive or potentially threatening information? In this survey, a number of steps were taken to minimize the validity problem in designing the questionnaire and administration procedures and in conducting the survey. Several special analyses were conducted following the Pilot Test and after completion of the survey to determine the extent to which the responses were valid.

Face Validity

Face validity is concerned with the issue of whether the instrument and administration procedures used provide bases for an informed judgment that they are conducive to valid responses. The first indication of this is in the questionnaire itself.

The questionnaire was constructed by using, to a considerable extent, questions that had been used and found adequate in previous surveys of military and/or civilian populations. All questions required only a low level of reading comprehension, contained no abstract concepts, were simply formatted for recording responses, and were not interdependent. The questionnaire was pretested on a representative group of military personnel at one installation. Each respondent was interviewed individually by a BAI senior staff person following his/her completion of the questionnaire. In these sessions, the respondent was asked to comment on the questionnaire page-by-page in terms of ambiguities, adequacy of format, sufficiency of response categories, the extent to which he/she felt threatened by any items and whether he/she answered truthfully. The instrument was revised in light of the information obtained from the pretest.

A Pilot Test was then conducted with random samples of 1,284 military personnel at four installations (one for each Military Service). This was principally for the purpose of testing the sampling and administrative procedures, but served as a further pretest of the instrument. Ten percent of the respondents were randomly selected to participate in group interviews. The purposes of these group interview sessions were: (1) to determine whether any remaining difficulties existed with the instrument in terms of ambiguities, adequacy of format and sufficiency of response categories; and (2) principally to probe for any feelings by the respondents of being threatened and obtain feedback on whether they answered truthfully. Discussions included advice from the respondents on how the promises of confidentiality could be made as reassuring as possible. Based on the Pilot Test, some revisions were made in the procedures in order to enhance the credibility of the confidentiality assurances. Analysis of the Pilot Test data revealed problems with some questionnaire items in terms of clarity and formatting. The instrument and procedures were revised, on the basis of the Pilot Test results, in an effort to eliminate the problems identified.

The instrument was then reviewed by four leading experts in the drug and alcohol use survey field and the DOD Technical Representative; they agreed that the questions and formatting were appropriate.

The procedures implemented provided further reassurance of response validity. These included assurances, in accordance with the Privacy Act, of anonymity of the respondents and confidentiality of responses. The procedures used were designed to reassure the respondents. For example, the respondents were informed of the random process of selection; officers and enlisted personnel of all pay grades were assembled together in large questionnaire administration sessions; no military proctors or observers were permitted in the room; the respondents placed completed questionnaires in a single box; no personal identifying information was placed on the questionnaire; etc.

In view of the above it can be concluded that face validity has been demonstrated, and that the questionnaire and procedures should be expected to yield valid responses.

Construct Validity

The results of both the Pilot Test and the worldwide survey provide substantial evidence of construct validity in that: (1) substantial numbers and proportions of respondents gave positive answers to sensitive questions; (2) distributions of responses are in the expected direction; (3) prevalence of drug use is negatively correlated with pay grade; (4) the frequency of heavy drug and alcohol use is correlated with consequences of drug and alcohol use; (5) prevalence estimates correspond closely to those from a recent survey of Air Force personnel. Each of these indicators of construct validity are discussed in the following paragraphs.

Thirty-six percent of the total sample and 50 percent of E1-E5's admitted to using one or more drugs nonmedically during the past 12 months. Similarly, 83 percent of the respondents indicated alcohol use during the past 30 days. Substantial proportions of these respondents also admitted having experienced adverse consequences because of their drug and alcohol use.

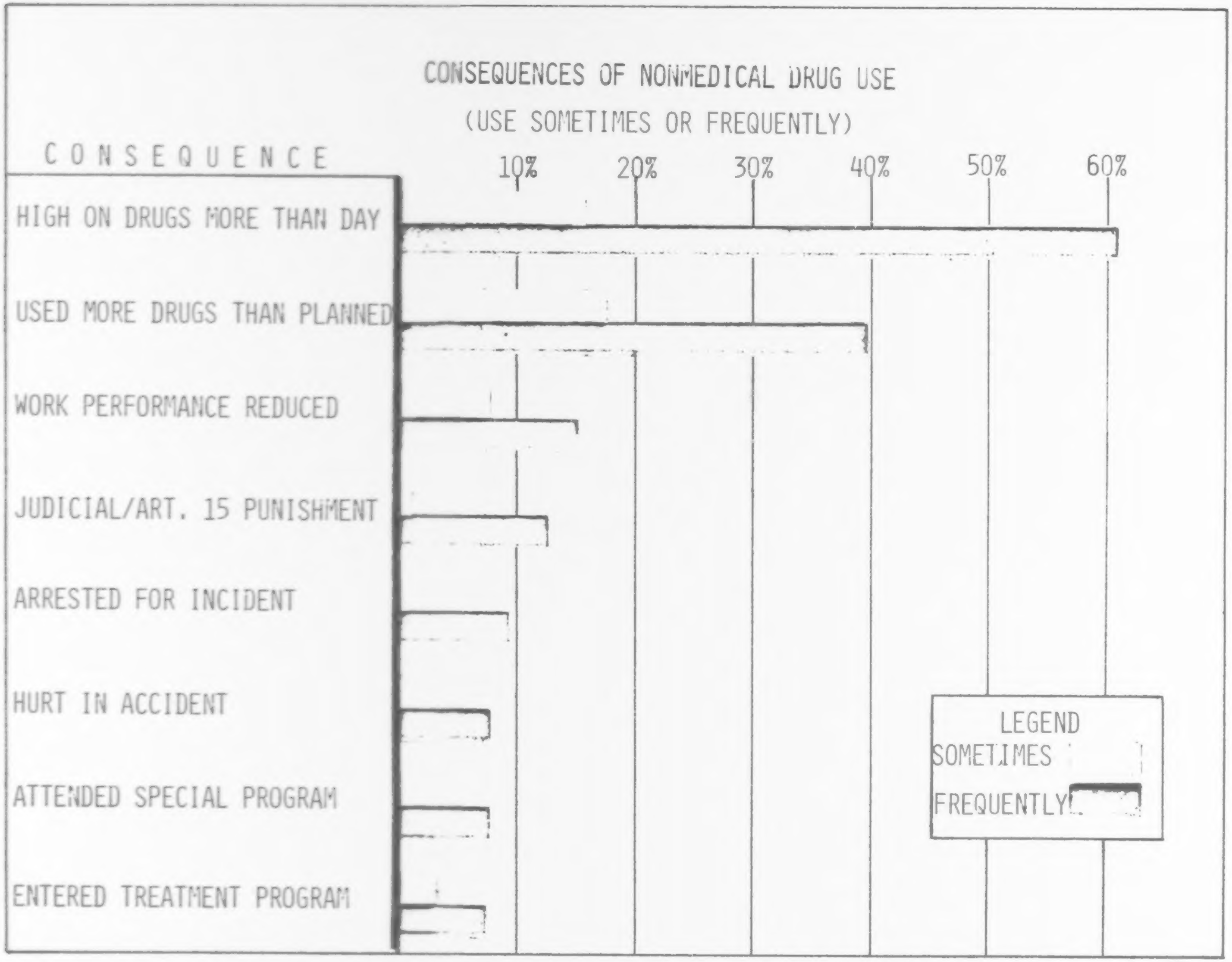
The distributions of responses are in the expected directions in that the patterns of prevalence by drug type are roughly as expected, with the highest prevalence being for marijuana use and the lowest for heroin use.

Prevalence of nonmedical drug use is clearly correlated with pay grade in that junior enlisted respondents reported substantially higher rates of use than other respondents. This is to be expected because of their younger age and the pattern is consistent with findings of other surveys.

Another indication of construct validity is shown by Pilot Test data comparing the responses to questions on frequency of drug and alcohol use with those for consequences of use. For example, Figure E-1 depicts the obvious connection between use of drugs and consequences of drug use. Among those who indicated that they been high on drugs for more than one day at a time in the past 12 months, 62 percent had used drugs "frequently" but only 16 percent had used drugs "sometimes." Similarly, other consequences reported are consistent with respondents' drug use. This type of relationship also holds true for alcohol use.

Estimates of prevalence and consequences derived from the full-scale survey were compared to the results of a survey of Air Force personnel conducted by RAND in 1977. The findings of the two studies of alcohol use among Air Force personnel are remarkably similar, when one considers that they were conducted three years apart and that the present study could have been viewed by respondents with a somewhat different mind-set. While it asked virtually the same drinking questions as the RAND study, the BAI study also included nonmedical use of illicit drugs.

FIGURE E-1


CONSEQUENCES OF NONMEDICAL DRUG USE
(USE SOMETIMES OR FREQUENTLY)
CONSEQUENCE
10%
20%
30%
40%
50%
60%
HIGH ON DRUGS MORE THAN DAY
USED MORE DRUGS THAN PLANNED
WORK PERFORMANCE REDUCED
JUDICIAL/ART. 15 PUNISHMENT
ARRESTED FOR INCIDENT
HURT IN ACCIDENT
ATTENDED SPECIAL PROGRAM
ENTERED TREATMENT PROGRAM
LEGEND
SOMETIMES
FREQUENTLY

The only material difference appearing in Table E-1 is the 5 percent difference in those reporting they had drunk no beer in the past 30 days. Since there was no such difference found for wine or liquor, one might infer that this 5 percent difference in beer drinking might have been caused by a seasonal difference. The BAI survey was conducted in February through April and the RAND survey was conducted in the heavier beer consuming month of June. In any event, the fact that the findings are so similar, lends additonal reassurance as to the validity of responses to questions on drinking behavior in the present survey, even despite the three year hiatus and the fact that one survey included questions on consumption of illicit drugs as well as legal alcohol.

Another, similar comparison can be made between the two surveys with regard to consequences of alcohol use. Table E-2 shows the percentage reporting any of ten consequences suffered during the past 12 months because of use of alcohol. The differences are almost negligible.

Concurrent Validity

The strongest indication of response validity is concurrent validity. BAI had planned to utilize this type of validity measure by obtaining urine specimens anonymously from Pilot Test respondents immediately following completion of the questionnaire. Results of the urinalysis tests could then be compared for the total sample to answers of questions

TABLE E-1

FREQUENCY OF DRINKING IN PAST 30 DAYS AMONG AIR FORCE PERSONNEL

(PERCENTAGE)

FREQUENCY OF DRINKING	BAI 1980 SURVEY	RAND[1] 1977 SURVEY
BEER		
NONE	31	26
1-3 DAYS PER MONTH	30	29
1-2 DAYS PER WEEK	20	23
3-4 DAYS PER WEEK	12	12
5 OR MORE DAYS PER WEEK	7	10
WINE		
NONE	60	58
1-3 DAYS PER MONTH	28	30
1-2 DAYS PER WEEK	8	8
3-4 DAYS PER WEEK	2	2
5 OR MORE DAYS PER WEEK	1	2
LIQUOR		
NONE	50	52
1-3 DAYS PER MONTH	33	31
1-2 DAYS PER WEEK	11	11
3-4 DAYS PER WEEK	4	4
5 OR MORE DAYS PER WEEK	2	3

[1] SOURCE: POLICH, J. MICHAEL AND ORVIS, BRUCE, ALCOHOL PROBLEMS: PATTERNS AND PREVALENCE IN THE U.S. AIR FORCE (SANTA, MONICA: RAND), 1979.

TABLE E-2

CONSEQUENCES[1] OF ALCOHOL USE DURING PAST 12 MONTHS (PERCENTAGE OF AIR FORCE PERSONNEL)

CONSEQUENCES	BAI 1980 SURVEY	RAND[2] 1977 SURVEY
ILLNESS KEPT FROM DUTY 1 WEEK OR LONGER	1	1.2
GOT LOWER SCORE ON EFFICIENCY OR PERFORMANCE REPORT	1	1.5
RECEIVED JUDICIAL OR ARTICLE 15 PUNISHMENT	1	1.2
ARRESTED FOR DRIVING AFTER DRINKING	2	1.8
ARRESTED FOR NON-DRIVING DRINKING INCIDENT	1	1.3
INCARCERATED DUE TO DRINKING	1	1.1
HURT IN ACCIDENT CONNECTED WITH DRINKING	2	1.5
DRINKING CAUSED ACCIDENT WHERE OTHERS HURT OR PROPERTY DAMAGED	1	1.9
SPOUSE THREATENED TO LEAVE	1	.7
SPOUSE LEFT	+	.6

[1] ONE OR MORE OCCURRENCES IN THE PAST 12 MONTHS

[2] SOURCE: POLICH, J MICHAEL AND ORVIS, BRUCE, ALCOHOL PROBLEMS: PATTERNS AND PREVALENCE IN THE U.S. AIR FORCE (SANTA, MONICA: RAND), 1979.

+ LESS THAN 0.5 PERCENT.

concerning recent use of drugs. However, a decision was made by the DOD not to implement the urinalysis phase because of concern that the news of this procedure would spread to personnel at other survey sites and jeopardize the later administration of the questionnaire.

APPENDIX F

RESPONSE RATES

TABLE F-1

RESPONSE RATES

SAMPLES	TOTAL DOD	SERVICE			
		ARMY	NAVY	MARINE CORPS	AIR FORCE
PROJECTED	19,582	6,239	5,202	2,861	5,280
EXCLUSIONS	3,227	1,157	286	855	929
AVAILABLE	16,355	5,082	4,916	2,006	4,351
RESPONDENTS	15,268	4,623	4,671	1,818	4,156
NO SHOWS	1,054	457	243	181	173
REFUSALS	33	2	2	7	22
RESPONSE RATE[1] (%)	93	91	95	91	96

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[1] COMPUTED AS # RESPONDENTS ÷ # AVAILABLE

APPENDIX G

COMPUTATION OF MEAN DAILY CONSUMPTION OF ETHANOL

COMPUTATION OF MEAN DAILY CONSUMPTION OF ETHANOL

The algorithm used to compute the mean daily comsumption of ethanol for each respondent is a modified version of the procedure employed by Polich and Orvis[1] in the 1977 survey of alcohol use in the Air Force conducted by RAND. The essential difference is that this algorithm employs each individual's estimate of the ounces of hard liquor in their average drink, while the RAND procedure used one ounce for each individual. Because most respondents in this DOD-wide survey indicated that their average drink contained more than one ounce, we believe this revision was warranted.[2] The detailed algorithm is presented on the next page followed by a narrative explanation.

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[1] Op. cit.

[2] The range of responses was one to five ounces; the mean response was 1.7 ounces.

Ethanol Consumption Algorithm By Individual

Typical Drinking

1. Determine frequency of consuming each beverage during the past 30 days (Q.23, 25, 28).

   Note: if range use midpoint (e.g., 5-6=5.5)

2. Determine typical quantity of each beverage consumed during past 30 days. (Q. 24, 26, 29)

   Note: if a range use midpoint (e.g., 8-11=9.5)

3. Compute number of ounces of each beverage consumed on an average day:

   Ounces of Beer (O_B) = Frequency (Q.23) x # Drinks (Q.24) x 12

   Use These Frequency Codes

Response	Frequency Code
Every day	1.000
5-6 days a week	0.786
3-4 days a week	0.500
1-2 days a week	0.214
<Weekly (i.e., 1-3 times/mo.)	0.067
Didn't drink beer	0.000

   Ounces of wine (O_W) = Frequency (Q.25) x # Glasses (Q.26) x 4

   Ounces of hard liquor (O_L) = Frequency (Q.28) x # Drinks (Q.29)x # Ounces (Q. 30)

   Use These Ounces Codes For Q. 30

   1 ounce = 1.00
   1¼ ounce = 1.25
   1½ ounce = 1.50
   2 ounces = 2.00
   3 ounces = 3.00
   4 ounces = 4.00
   5 ounces = 5.00
   Didn't drink = 0.00
   No response = 1.00

4. Create two wine variable:

   O_W^1 = 1 if a "regular" wine; 0 otherwise

   O_W^2 = 1 if a "fortified" wine; 0 otherwise

5. Compute daily ounces of ethanol consumed (OE):

$OE_B = O_B\ (.04)$ $\qquad OE_W^2 = O_W\ (.18) .\ O_W^2$

$OE_W^1 = O_W\ (.12) .\ O_W^1$ $\qquad OE_L = O_L\ (.43)$

Atypical Drinking

6. Determine frequency of consuming 8 or more drinks (Q.32, 33,34). Define beer as AD_B, wine as AD_W, and hard liquor as AD_L

Use These Frequency Codes (AD)

Response	Frequency Code
Every day	365
5-6 days a week	286
3-4 days a week	182
1-2 days a week	78
1-3 days a month	24
1 or more, not monthly	5.5
Never	0

7. Define/compute ounces of ethanol on atypical drinking day:

Beer = 3.8 (i.e., 8 x 12 x .04)

Wine = 3.8 (i.e., 8 x 4 x .12)

Liquor (OE_L^{AD}) = 8 x # ounces (Q.30*) x .43

*Use ounces codes

8. Compute mean daily consumption of ethanol (MDC_E)

Define The Variables:

MDC_E = Mean daily consumption of ethanol

AD_B = Number of atypical drinking days--beer

AD_W = Number of atypical drinking days--wine

AD_L = Number of atypical drinking days--hard liquor

OE_B = Daily ounces of ethanol--beer

OE_W^1 = Daily ounces of ethanol--fortified wine

OE_W^2 = Daily ounces of ethanol--wine

OE_L = Daily ounces of ethanol--hard liquor

OE_L^{AD} = Daily ounces of ethanol consumed on atypical drinking day--hard liquor

$$MDC_E = \left[\frac{3.8AD_B + OE_B\ (365 - AD_B)}{365}\right] + \left[\frac{3.8AD_W + OE_W^1\ (365 - AD_W) + OE_W^2\ (365 - AD_W)}{365}\right] + \left[\frac{OE_L^{AD}\ (AD_L) + OE_L\ (365 - AD_L)}{365}\right]$$

First, average daily ounces of ethanol consumed by an individual on a typical drinking day during the past 30 days was computed based upon the responses to the frequency of use of each type of beverage (Q. 23, 25 and 28) and the number of drinks (Q24, 26 and 29). If a respondent consumed a given type of beverage "every day," the probability of this respondent drinking on a given day will be 1.000. By the same token, if a person responded "1-2 days a week" to the frequency questions, the probability of the person drinking on a given day will be 0.214 (i.e., 1.5/7). In this manner, the ounces of beer, wine and hard liquor consumed by a respondent was computed by multiplying the probability of drinking on a given day of each type of alcoholic beverage by the number of drinks. "One drink" is defined as 12 ounces for beer, 4 ounces for wine, and for hard liquor, respondents were asked to specify the ounces for "one drink" (Q. 30). The daily ounces of beer consumed, for example, will be given by the probability of drinking beer x number of drinks x 12. Because some respondents might not have known the typical quantity they consumed and therefore left the question unanswered, missing values for the quantity variables were given the minimum quantity (i.e., "one drink" for beer and wine and "one ounce" for hard liquor) in the computation.

The daily ounces of beer, wine and hard liquor consumed are then converted to the daily ounces of ethanol consumption by multiplying each by the amount of ethanol contained per ounce of each type of the beverage (i.e., .04 for beer, .12 for regular wine, .18 for fortified wine* and .43 for hard liquor).

In addition to measuring the pattern of drinking behavior over a 30-day period, the mean daily consumption of ethanol computation as formulated for this study takes episodic or atypical drinking patterns into account. That is, some respondents might not have consumed any alcoholic beverages at all during the past 30 days but might have consumed eight or more drinks of alcoholic beverages over a 12-month period, or some might have consumed more than usual amount of alcohol during the past 12 months but not during the past 30 days, or heavy drinking (that is, drinking more than eight drinks or more) might have been the usual practice, etc. Taking these possible drinking patterns into consideration, the ounces of alcoholic beverages consumed on an atypical drinking day were calculated in a similar manner as for the typical drinking day except that the frequency of consuming eight or more drinks (Q. 32, 33 and 34) is based on the number of days during the past 12 months so that the results of computations represent the number of ounces consumed during the year rather than a given day.

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*Respondents were asked if they usually drink regular wine or fortified wine (Q. 27). If no response is given to this question, it was assumed to be regular wine.

The mean daily consumption of the total volume of ethanol per each respondent, therefore, is the sum of the total volume of ethanol consumed in episodic drinking days and the total volume of ethanol consumed in other than atypical drinking days during the past 12 months divided by 365.

APPENDIX H

QUESTIONNAIRE

RCS: DD-HA-(OT) 7920

PERSONNEL SURVEY

The Department of Defense is sponsoring a survey of military personnel concerning drug and alcohol use. This survey is being conducted for the Department of Defense by Burt Associates, Inc., a private research organization.

You are requested to complete this self-administered anonymous questionnaire. Do not write your name or Social Security Number anywhere on the questionnaire. No Department of Defense personnel will see your personal responses to the questionnaire once it is completed.

The information is required to provide a basis for research and analysis by Burt Associates, Inc. concerning drug and alcohol use among military personnel. The Office of the Assistant Secretary of Defense (Health Affairs) has the primary responsibility for utilization of the survey results to manage Department of Defense drug and alcohol abuse programs.

Participation in this survey is voluntary. No penalty will be imposed for failure to respond to any particular questions.

DIRECTIONS: Your responses will be read by an optical mark reader. Your careful observance of these few simple rules will be most appreciated.

- Use only the black lead pencil provided.
- Make heavy black marks that fill the circle for your answers.
- Erase cleanly any answer you wish to change.
- Make no stray markings of any kind on this booklet.

EXAMPLES:	Proper Marks	Improper Marks
	●	✓
	●	×
	●	○

Burt Associates, Incorporated

DO NOT PLACE YOUR NAME OR SOCIAL SECURITY NUMBER ANYWHERE ON THIS QUESTIONNAIRE.

1. What is your Service?

Army	Marine Corps
Navy	Air Force

2. Are you male or female?

Male	Female

3. How old were you on your last birthday?

17 or under	25
18	26
19	27
20	28
21	29
22	30-34
23	35-39
24	40 or over

4. What do you consider to be your main racial or ethnic group?

White/Caucasian (Not of Hispanic Origin)
Afro American/Black (Not of Hispanic Origin)
Hispanic/Chicano/Mexican/Puerto Rican/Cuban/Latin
Oriental/Asian/Pacific Islander
American Indian/Alaskan Native
Other

5. What is your marital status?

Married
Separated
Divorced
Widowed
Never married

6. What is your pay grade?

Enlisted	Officer
E1	Officer Trainee
E2	W1-W4
E3	O1
E4	O2
E5	O3
E6	O4 or higher
E7 or higher	

7. What is your current primary MOS/RATING/DESIGNATOR/AFSC? **Use the box that applies to your Service.**

ARMY

ENLISTED AND COMMISSIONED OFFICERS: Record your current Primary MOS using the first two (2) numbers and the letter. (For example, MOS 63A would be marked as 63A.)

WARRANT OFFICERS: Record the first three (3) numbers of your Primary MOS. (For example, 100, 711, 630.)

Write the Number/Letter in each box. THEN, mark the matching circle below each box.

FIRST NUMBER	SECOND NUMBER	THIRD LETTER/NUMBER
0	0	A N 0
1	1	B O 1
2	2	C P 2
3	3	D Q 3
4	4	E R 4
5	5	F S 5
6	6	G T 6
7	7	H U 7
8	8	I V 8
9	9	J W 9
		K X
		L Y
		M Z

I do not know my current Primary MOS.

AIR FORCE

Record the first two (2) numbers of your current Primary AFSC. Do not use letters. (For example, AFSC A43130C would be marked 43.)

Write the Number in each box. THEN, mark the matching circle below each box.

FIRST NUMBER	SECOND NUMBER
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

I do not know my current Primary AFSC.

NAVY

ENLISTED: Record the first two (2) letters of your rating or striker designation. (For example, AT, ET, YN.) If non-designated, give apprenticeship group. (For example, FA, SN, HN.)

OFFICER: Record the four (4) numbers of your current Primary Designator. (For example, Designation 8518 would be marked at 8518.)

Write the Number/Letter in each box. THEN, mark the matching circle below each box.

FIRST LETTER/NUMBER	SECOND LETTER/NUMBER	THIRD LETTER/NUMBER	FOURTH LETTER/NUMBER
A N 0	A N 0	A N 0	A N 0
B O 1	B O 1	B O 1	B O 1
C P 2	C P 2	C P 2	C P 2
D Q 3	D Q 3	D Q 3	D Q 3
E R 4	E R 4	E R 4	E R 4
F S 5	F S 5	F S 5	F S 5
G T 6	G T 6	G T 6	G T 6
H U 7	H U 7	H U 7	H U 7
I V 8	I V 8	I V 8	I V 8
J W 9	J W 9	J W 9	J W 9
K X	K X	K X	K X
L Y	L Y	L Y	L Y
M Z	M Z	M Z	M Z

I do not know my current Primary Rating/Designator

MARINE CORPS

Record the first two (2) numbers of your Primary MOS. (For example, MOS 8301 would be marked as 83.)

Write the Number in each box. THEN, mark the matching circle below each box.

FIRST NUMBER	SECOND NUMBER
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

I do not know my current Primary MOS

8. What is your highest level of education now?

- ○ Did not graduate from high school
- ○ GED high school graduate equivalent
- ○ High school graduate
- ○ Trade or technical school graduate
- ○ Some college but not a 4-year degree
- ○ 4-year college degree (BA, BS, or equivalent)
- ○ Graduate study but no graduate degree
- ○ Graduate degree

9. How long have you been on active duty?

- ○ 6 months or less
- ○ 7-12 months
- ○ 13-24 months
- ○ 25-48 months
- ○ 49 months - 20 years
- ○ More than 20 years

10. How much do you weigh?

- ○ 100 lbs or less
- ○ 101 to 120 lbs
- ○ 121 to 140 lbs
- ○ 141 to 160 lbs
- ○ 161 to 180 lbs
- ○ 181 to 200 lbs
- ○ 201 to 220 lbs
- ○ 221 to 240 lbs
- ○ Over 240 lbs

11. In what type of housing do you currently live?

- ○ Civilian housing
- Military housing:
  - ○ On board ship
  - ○ Barracks or bachelor quarters
  - ○ On-base military family housing
  - ○ Off base military family housing

12. Is your wife/husband (spouse) with you at your present duty location?

- ○ Yes, my spouse is with me.
- ○ No, my spouse is not with me.
- ○ I am not presently married.

13. Do you plan to remain in the Service when your present term, enlistment, or commitment is up?

- ○ Doesn't apply, indefinite obligation
- ○ Yes
- ○ Probably yes
- ○ Probably no
- ○ No
- ○ Don't know/not sure

The word installation, as used in this questionnaire, refers to your post, camp, base, station, ship, or other duty location at the time you are completing this questionnaire.

14. How long have you been at your present installation?

- ○ 1 month or less
- ○ 2-3 months
- ○ 4-6 months
- ○ 7-12 months
- ○ 13-24 months
- ○ 25 or more months

15. During the past 30 days, how many days were you present for duty at this installation?

- ○ None
- ○ 1-2 days
- ○ 3-6 days
- ○ 7-14 days
- ○ 15-29 days
- ○ 30 days

16. During the past 30 days, how many days were you deployed at sea or in the field for 24 hours or more?

- ○ None
- ○ 1-2 days
- ○ 3-6 days
- ○ 7-14 days
- ○ 15-29 days
- ○ 30 days

17. When was the last time you were deployed at sea or in the field for 24 hours or more?

- ○ Never deployed at sea or in the field
- ○ 1-7 days ago
- ○ 8-14 days ago
- ○ 15-30 days ago
- ○ 31-59 days ago
- ○ 2-3 months ago
- ○ 4-6 months ago
- ○ 7-12 months ago
- ○ More than one year ago

18. During the past 30 days, how much of the time did you work in jobs outside your current primary rating/designator/MOS/AFSC?

- ○ All of the time
- ○ Most of the time
- ○ About half of the time
- ○ Some of the time
- ○ None of the time

19. How much of the time do you feel satisfied with your current job?

- ○ All of the time
- ○ Most of the time
- ○ About half of the time
- ○ Somewhat less than half the time
- ○ None of the time

20. How many people do you supervise most of the time?

- ○ None
- ○ 1-5
- ○ 6-10
- ○ 11-15
- ○ 16-20
- ○ Over 20

21. What type of duty have you performed most in the last 30 days?

- ○ Basic/Recruit training staff
- ○ Advanced training staff
- ○ Operational unit
- ○ Student/trainee
- ○ Other

HERE ARE SOME QUESTIONS ABOUT YOUR DRINKING

The following questions ask about your past and current use of beer, wine, or hard liquor. Please take your time on these questions and answer as accurately as possible.

22. How long has it been since your last drink of beer, wine, or hard liquor?

- ○ Today
- ○ 1-7 days ago
- ○ 8-14 days ago
- ○ 15-30 days ago
- ○ 31-59 days ago
- ○ 2-3 months ago
- ○ 4-6 months ago
- ○ 7-12 months ago
- ○ More than one year ago
- ○ Never drank any beer, wine, or hard liquor

23. During the past 30 days, on how many days did you drink beer?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
Less often than weekly
Didn't drink any beer in the past 30 days

24. Think about those days on which you drank beer during the past 30 days. How much beer did you usually drink on one of those days?

Drink = 12-ounce can, 12-ounce bottle, or 12-ounce glass.

1 drink
2 drinks
3 drinks (one quart)
4 drinks
5 drinks (two quarts)
6 drinks
7 drinks
8-11 drinks (three or four quarts)
12-17 drinks (five or six quarts)
18 or more drinks (seven or eight quarts)
Didn't drink any beer in the past 30 days

25. During the past 30 days, on how many days did you drink wine?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
Less often than weekly
Didn't drink any wine in the past 30 days

26. Think about those days on which you drank wine during the past 30 days. How much wine did you usually drink on one of those days?

1 wine glass (4 oz.)
2 wine glasses
3 wine glasses (12 oz. – about half a fifth or bottle)
4 wine glasses
5 wine glasses
6 wine glasses (24 oz. – about one fifth or bottle)
7 wine glasses
8-11 wine glasses
12 wine glasses (48 oz. – about two fifths)
More than 12 wine glasses or more than two fifths
Didn't drink any wine in the past 30 days

27. During the past 30 days, did you usually drink a regular wine or a fortified wine such as sherry, vermouth, port, or Dubonnet?

Didn't drink wine
A regular wine
A fortified wine (like sherry, vermouth, port, or Dubonnet)

28. During the past 30 days, on how many days did you drink hard liquor?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
Less often than weekly
Didn't drink any hard liquor in the past 30 days

29. Think about those days on which you drank hard liquor during the past 30 days. How much hard liquor did you usually drink on one of those days?

1 drink
2 drinks
3 drinks
4 drinks
5 drinks
6 drinks
7 drinks
8 drinks
9-11 drinks
12-14 drinks
15-17 drinks
18-24 drinks
25 drinks or more
Didn't drink any hard liquor in the past 30 days

30. About how many ounces of hard liquor were there in your average drink?

One ounce
1¼ ounces
1½ ounces
2 ounces
3 ounces
4 ounces
5 ounces
Didn't drink any hard liquor in the past 30 days

31. During the past 30 days, on about how many days did you drink beer, wine, or hard liquor at EACH of the times indicated below? (Mark one circle for each time period below)

Answer A thru E	Every Day	5-6 Days/ Week	3-4 Days/ Week	1-2 Days/ Week	Less Often Than Weekly	No Days
A. Two hours or less before going to work						
B. At lunch						
C. During a work break						
D. While working						
E. After work						

NOW THINK ABOUT THE PERIOD OF THE PAST 12 MONTHS FROM TODAY BACK TO 12 MONTHS AGO.

32. During the past 12 months, on how many days did you drink 8 or more cans, bottles, or glasses of beer (3 quarts or more) in a single day?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
1-3 days a month
1 or more days in the past 12 months but not monthly
Never in the past 12 months

33. During the past 12 months, on how many days did you drink 8 or more glasses of wine (more than a fifth) in a single day?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
1-3 days a month
1 or more days in the past 12 months but not monthly
Never in the past 12 months

34. During the past 12 months, on how many days did you drink 8 or more drinks of hard liquor (a half pint of more) in a single day?

Every day
5-6 days a week
3-4 days a week
1-2 days a week
1-3 days a month
1 or more days in the past 12 months but not monthly
Never in the past 12 months

35. Since you arrived at your present installation, are you drinking more, the same amount, or less than you did at your last installation?

○ Did not drink before or after arriving at this installation	○ More at present installation ○ The same amount	○ Less at present installation ○ This is my first installation in the Service.

36. If you don't now drink beer, wine, or hard liquor, how important are each of the following reasons for your decision?

A. ○ I drink beer, wine, or hard liquor. **(Skip to question 37)**
○ I don't drink beer, wine, or hard liquor. **(Answer questions B–K below)**

(Mark one circle for each reason)	Very Important	Some Importance	No Importance
B. Parents or relatives disapprove	○	○	○
C. Friends disapprove	○	○	○
D. Against my religion	○	○	○
E. Afraid of what it might do to my health	○	○	○
F. Had a bad experience with it	○	○	○
G. Too costly	○	○	○
H. No desire to experience effects	○	○	○
I. Might interfere with my work or other activity	○	○	○
J. Tried it, but was not interested	○	○	○
K. Medically restricted	○	○	○

37. People drink beer, wine, or hard liquor for different personal reasons. How important are each of the following reasons for your drinking? (Mark one circle for each reason)

	Very Important	Fairly Important	Not at All Important	Don't Drink At All
A. I drink to be friendly or social	○	○	○	○
B. I drink to forget my worries	○	○	○	○
C. I drink to relax	○	○	○	○
D. A drink helps cheer me up when I am in a bad mood	○	○	○	○
E. A drink helps me when I am depressed or nervous	○	○	○	○
F. I drink when I am bored and have nothing to do	○	○	○	○
G. I drink to increase my self-confidence	○	○	○	○

38. How important are the following reasons for your drinking while assigned to this installation? (Mark one circle for each reason)	Very Important	Fairly Important	Not at All Important	Don't Drink At All
A. Because we have frequent "happy hours" here	○	○	○	○
B. Because the price of liquor, beer, wine, is so low here	○	○	○	○
C. Because we have lots of parties	○	○	○	○
D. Because drinking is just about the only recreation available here	○	○	○	○
E. Because I am very lonesome here	○	○	○	○
F. Because my job gets me so tense or nervous that I need to drink to unwind	○	○	○	○
G. Because my living quarters are so depressing	○	○	○	○
H. Because other people expect you to drink when they are drinking	○	○	○	○

39. For each experience listed below, please indicate on how many days you have had this experience in the past 12 months
(Mark one circle for each experience)

	DAYS EXPERIENCED IN PAST 12 MONTHS						
	Every Day	5-6 Times a Week	3-4 Times a Week	1-2 Times a Week	1-3 Times a Month	Less Frequently Than Monthly	Never Happened In Past 12 Months
A. I got into a fight where I hit someone when I was drinking	○	○	○	○	○	○	○
B. I got into a fight where I hit someone when I was not drinking	○	○	○	○	○	○	○
C. I awakened the next day unable to remember what I had done while drinking the day before	○	○	○	○	○	○	○
D. I took a drink the first thing when I got up in the morning	○	○	○	○	○	○	○
E. My hands shook a lot in the morning after drinking the day before	○	○	○	○	○	○	○
F. I could not stop drinking before becoming drunk	○	○	○	○	○	○	○
G. I was sick because of drinking (nausea, vomiting, severe headache, etc.)	○	○	○	○	○	○	○
H. I had the "shakes" because of drinking	○	○	○	○	○	○	○

he following questions are about the use and availability of drugs. First, we will give you examples of the various drugs.

DRUG	EXAMPLES
Marijuana	"Pot," "Grass"
Hashish	"Hash"
PCP	"Angel Dust"
Other Hallucinogens	LSD, Mescaline, Peyote, STP, DOM, DMT, Psilocybin
Cocaine	"Coke," "Snow"
Amphetamines	Benzedrine, "Bennies," Methadrine, Dexedrine, "Speed"
Other Uppers	Preludin, Ritalin, Sandrex
Tranquilizers	Valium, Librium, Miltown
Barbiturates	Seconal (reds), Nembutal (yellows), Amytal (blues)
Other Downers	Quaalude (Sopors), Optimil, Doriden, Placidyl, Methaqualone
Heroin	"Smack," "Scag," "Horse"
Other Opiates	Morphine, Opium, Demerol, Codeine, Methadone

Although some of the drugs listed above may be prescribed for medical reasons, the questions that follow refer to use of these drugs for non-medical purposes, that is, for highs, for thrills, to relax, to give insight, or for pleasure.

. **When was the first time you used each drug listed below for non-medical purposes?**

(Mark one circle for each drug)

	Today	1-30 Days Ago	31-180 Days Ago	181-365 Days Ago	More Than 365 Days Ago	Never Used
A. Marijuana or hashish						
B. PCP						
C. Other Hallucinogens						
D. Cocaine						
E. Amphetamines or other uppers						
F. Tranquilizers						
G. Barbiturates or other downers						
H. Heroin						
I. Other opiates						

41. **When was the last time you used each drug listed below for non-medical purposes?**

(Mark one circle for each drug)

	Today	1-3 Days Ago	4-30 Days Ago	31-180 Days Ago	181-365 Days Ago	More Than 365 Days Ago	Never Used
A. Marijuana or hashish							
B. PCP							
C. Other Hallucinogens							
D. Cocaine							
E. Amphetamines or other uppers							
F. Tranquilizers							
G. Barbiturates or other downers							
H. Heroin							
I. Other opiates							

The following questions are about the use and availability of drugs. First, we will give you examples of the various drugs.

DRUG	EXAMPLES
Marijuana	"Pot," "Grass"
Hashish	"Hash"
PCP	"Angel Dust"
Other Hallucinogens	LSD, Mescaline, Peyote, STP, DOM, DMT, Psilocybin
Cocaine	"Coke," "Snow"
Amphetamines	Benzedrine, "Bennies," Methadrine, Dexedrine, "Speed"
Other Uppers	Preludin, Ritalin, Sandrex
Tranquilizers	Valium, Librium, Miltown
Barbiturates	Seconal (reds), Nembutal (yellows), Amytal (blues)
Other Downers	Quaalude (Sopors), Optimil, Doriden, Placidyl, Methaqualone
Heroin	"Smack," "Scag," "Horse"
Other Opiates	Morphine, Opium, Demerol, Codeine, Methadone

Although some of the drugs listed above may be prescribed for medical reasons, the questions that follow refer to use of these drugs for non-medical purposes, that is, for highs, for thrills, to relax, to give insight, or for pleasure.

42. During the past 30 days, on how many days did you use each of the following drugs for non-medical purposes?

(Mark one circle for each drug)

	Every Day	5-6 Days a Week	3-4 Days a Week	1-2 Days a Week	Less Often Than Weekly	Never Used
A. Marijuana or hashish						
B. PCP						
C. Other Hallucinogens						
D. Cocaine						
E. Amphetamines or other uppers						
F. Tranquilizers						
G. Barbiturates or other downers						
H. Heroin						
I. Other opiates						

43. How often do you use each of the following drugs with alcohol (beer, wine, or hard liquor) at the same time?

(Mark one circle for each drug below)

	Always	Very Often	Some-times	Once	Never
A. Marijuana or hashish					
B. PCP					
C. Other Hallucinogens					
D. Cocaine					
E. Amphetamines or other uppers					
F. Tranquilizers					
G. Barbiturates or other downers					
H. Heroin					
I. Other opiates					

The following questions are about the use and availability of drugs. First, we will give you examples of the various drugs.

DRUG	EXAMPLES
Marijuana	"Pot," "Grass"
Hashish	"Hash"
PCP	"Angel Dust"
Other Hallucinogens	LSD, Mescaline, Peyote, STP, DOM, DMT, Psilocybin
Cocaine	"Coke," "Snow"
Amphetamines	Benzedrine, "Bennies," Methadrine, Dexedrine, "Speed"
Other Uppers	Preludin, Ritalin, Sandrex
Tranquilizers	Valium, Librium, Miltown
Barbiturates	Seconal (reds), Nembutal (yellows), Amytal (blues)
Other Downers	Quaalude (Sopors), Optimil, Doriden, Placidyl, Methaqualone
Heroin	"Smack," "Scag," "Horse"
Other Opiates	Morphine, Opium, Demerol, Codeine, Methadone

Although some of the drugs listed above may be prescribed for medical reasons, the questions that follow refer to use of these drugs for non-medical purposes, that is, for highs, for thrills, to relax, to give insight, or for pleasure.

44. During the past 30 days, on how many days did you use each of the following drugs for non-medical purposes 2 hours or less before going to work, at lunch, or during a work break? (Mark one circle for each drug below)

	Every Day	5-6 Days a Week	3-4 Days a Week	1-2 Days a Week	Less Often Than Weekly	None
A. Marijuana or hashish						
B. PCP						
C. Other Hallucinogens						
D. Cocaine						
E. Amphetamines or other uppers						
F. Tranquilizers						
G. Barbiturates or other downers						
H. Heroin						
I. Other opiates						

45. During the past 30 days, on how many days did you use each of the following drugs for non-medical purposes while you were working (on-the-job)? (Mark one circle for each drug below)

	Every Day	5-6 Days a Week	3-4 Days a Week	1-2 Days a Week	Less Often Than Weekly	None
A. Marijuana or hashish						
B. PCP						
C. Other Hallucinogens						
D. Cocaine						
E. Amphetamines or other uppers						
F. Tranquilizers						
G. Barbiturates or other downers						
H. Heroin						
I. Other opiates						

46. Which drugs can be obtained in the community around this installation?
(Mark one circle for each drug)

	Available	Not Available	Don't Know
A. Marijuana or hashish			
B. PCP			
C. Other Hallucinogens			
D. Cocaine			
E. Amphetamines or other uppers			
F. Tranquilizers			
G. Barbiturates or other downers			
H. Heroin			
I. Other opiates			

47. Which drugs can be obtained at this installation?
(Mark one circle for each drug)

	Available	Not Available	Don't Know
A. Marijuana or hashish			
B. PCP			
C. Other Hallucinogens			
D. Cocaine			
E. Amphetamines or other uppers			
F. Tranquilizers			
G. Barbiturates or other downers			
H. Heroin			
I. Other opiates			

48. During the past 30 days, with whom did you use drugs for non-medical purposes?

Did not use drugs in past 30 days
(Go to question 49)

Used drugs in past 30 days
(Answer A–D below)

	Frequently	Sometimes	Never
A. By myself			
B. People I work with			
C. People I live with			
D. Other friends or associates			

49. People use drugs for different reasons. How important are the following reasons for your using drugs here at this installation?

	Very Important	Fairly Important	Not at All Important	Don't Use Drugs at All
A. Because the price of drugs is so low here				
B. Because we have lots of parties				
C. Because it is just about the only recreation available here				
D. Because I am very lonesome here				
E. Because my job gets me so tense or nervous that I need to use drugs to unwind				
F. Because my living quarters are so depressing				
G. Because other people expect you to use drugs when they are using them				

HERE ARE SOME QUESTIONS ABOUT THINGS THAT HAPPEN TO PEOPLE

How many times in the past 12 months did each of the following happen to you?

Mark one circle for each statement:

	IN THE PAST 12 MONTHS			
	Once	Twice	Three Or More Times	Never Happened In Past 12 Months
50. I had an illness connected with my drinking which kept me from duty for a week or longer				
51. I had an illness connected with my use of drugs which kept me from duty for a week or longer				
52. I had an illness which kept me from duty for a week or longer for reasons other than drinking or use of drugs				
53. I didn't get promoted because of my drinking				
54. I didn't get promoted because of my use of drugs				
55. I didn't get promoted for a reason other than drinking or use of drugs				
56. I got a lower score in my efficiency report or performance rating because of my drinking				
57. I got a lower score in my efficiency report or performance rating because of my use of drugs				
58. I got a lower score in my efficiency report or performance rating for a reason other than drinking or drug use				
59. I received judicial or Article 15 punishment because of my drinking				
60. I received judicial or Article 15 punishment because of my use of drugs				
61. I received judicial or Article 15 punishment for a reason other than drinking or drug use				
62. I was arrested for driving after drinking				
63. I was arrested for driving after using drugs				
64. I was arrested for driving for a reason other than drinking or drug use				
65. I was arrested for a drinking incident not related to driving				
66. I was arrested for a drug incident not related to driving				
67. I was arrested for an incident, not related to driving, for a reason other than drinking or drug use				

Continued on next page

Mark one circle for each statement:	IN THE PAST 12 MONTHS Once	Twice	Three Or More Times	Never Happened In Past 12 Months
68. I spent time in jail, stockade, or brig because of my drinking	○	○	○	○
69. I spent time in jail, stockade, or brig because of my use of drugs	○	○	○	○
70. I spent time in jail, stockade, or brig for a reason other than drinking or drug use	○	○	○	○
71. I was hurt in an accident connected with my drinking	○	○	○	○
72. I was hurt in an accident connected with my use of drugs	○	○	○	○
73. I was hurt in an accident not connected with drinking or use of drugs	○	○	○	○
74. My drinking caused an accident where others were hurt or property was damaged	○	○	○	○
75. My use of drugs caused an accident where others were hurt or property was damaged	○	○	○	○
76. I was in a accident not related to my drinking or use of drugs where others were hurt or property was damaged	○	○	○	○
77. My spouse threatened to leave me because of my drinking	○	○	○	○
78. My spouse threatened to leave me because of my use of drugs	○	○	○	○
79. My spouse threatened to leave me but not because of my drinking or use of drugs	○	○	○	○
80. I hit my spouse or children because of my drinking	○	○	○	○
81. I hit my spouse or children because of my use of drugs	○	○	○	○
82. I hit my spouse or children but not because of drinking or drug use	○	○	○	○
83. My spouse left me because of my drinking	○	○	○	○
84. My spouse left me because of my use of drugs	○	○	○	○
85. My spouse left me for a reason other than drinking or drug use	○	○	○	○
86. I entered a rehabilitation or treatment program because of my drinking	○	○	○	○
87. I entered a rehabilitation or treatment program because of my use of drugs	○	○	○	○
88. I attended a special training or education program because of a problem related to my drinking	○	○	○	○
89. I attended a special training or education program because of a problem related to my use of drugs	○	○	○	○
90. I had to be detoxified because of my drinking	○	○	○	○
91. I had to be detoxified because of my drug use	○	○	○	○
92. I became drunk without planning to	○	○	○	○
93. I used more drugs than I planned to	○	○	○	○
94. I was drunk for more than one day at a time	○	○	○	○
95. I was "high" on drugs for more than one day at a time	○	○	○	○

96. Where do you most often drink or use drugs? (Mark one circle for each)	On Post	Off Post	Don't Drink	Don't Use Drugs
A. Drink most often	○	○	○	
B. Drug use most often	○	○		○

97. The following questions describe a number of things connected with drinking or using drugs that sometimes affect people on their working days. Please indicate how often in the past 12 months, if at all, these things ever happened to you on a working day.

(Mark one circle for each)	NUMBER OF DAYS HAPPENED IN PAST 12 MONTHS ON WORKING DAY None	1	2	3	4-6	7-11	12-20	21-39	40 or More
Because of Drinking:									
A. I did not work at my normal level of performance because of drinking, a hangover, or an illness caused by drinking	○	○	○	○	○	○	○	○	○
B. I was late for work or left work early because of drinking, hangover, or an illness caused by drinking	○	○	○	○	○	○	○	○	○
C. I did not come to work because of drinking, a hangover, or an illness caused by drinking	○	○	○	○	○	○	○	○	○
D. I was drunk or high while working because of drinking	○	○	○	○	○	○	○	○	○
Because of Drug Use									
E. I did not work at my normal level of performance because of my use of drugs	○	○	○	○	○	○	○	○	○
F. I was late for work or left work early because of my use of drugs	○	○	○	○	○	○	○	○	○
G. I did not come to work because of my use of drugs	○	○	○	○	○	○	○	○	○
H. I was high while working because of my use of drugs	○	○	○	○	○	○	○	○	○

98. Here are things that some people say happen to them when they use alcohol. Did any of these things every happen to you because of your use of alcohol in the past 12 months? (Mark one circle for each question)

In the past 12 months:	Yes	No	Don't Drink
A. Did it ever improve the quality of your work?	○	○	○
B. Did it ever hurt the quality of your work?	○	○	○
C. Did it ever improve your relationship with your supervisor?	○	○	○
D. Did it ever damage your relationship with your supervisor?	○	○	○
E. Did it ever improve your relationship with other workers?	○	○	○
F. Did it ever damage your relationship with other workers?	○	○	○

99. Here are things that some people say happen to them when they use drugs. Did any of these things ever happen to you because of your use of drugs in the past 12 months? (Mark one circle for each question)

In the past 12 months:	Yes	No	Don't Use Drugs
A. Did it ever improve the quality of your work?	○	○	○
B. Did it ever hurt the quality of your work?	○	○	○
C. Did it ever improve your relationship with your supervisor?	○	○	○
D. Did it ever damage your relationship with your supervisor?	○	○	○
E. Did it ever improve your relationship with other workers?	○	○	○
F. Did it ever damage your relationship with other workers?	○	○	○

100. In the past 12 months, how many days did you receive medical treatment as a bed patient in a hospital for an accident or illness?

(Mark one circle for each)	DAYS IN HOSPITAL PAST 12 MONTHS							
	None	1	2	3	4-6	7-13	14-26	27 or More
A. Hospitalized in connection with drinking	○	○	○	○	○	○	○	○
B. Hospitalized in connection with use of drugs	○	○	○	○	○	○	○	○
C. Hospitalized but not in connection with drinking or use of drugs	○	○	○	○	○	○	○	○

101. In the past 12 months, how often did you visit a doctor (as an outpatient) for an accident or illness?

(Mark one circle for each)	DOCTORS VISITS IN PAST 12 MONTHS							
	None	1	2	3	4-5	6-10	11-15	16 or More
A. Visited doctor in connection with drinking problem	○	○	○	○	○	○	○	○
B. Visited doctor in connection with drug problem	○	○	○	○	○	○	○	○
C. Visited doctor but not in connection with drinking or drug problem	○	○	○	○	○	○	○	○

102. Which term best describes your use of marijuana or hashish during the last 6 months?

○ Never ○ Sometimes ○ Frequently

103. Which term best describes your use of other drugs for non-medical purposes during the last 6 months?

○ Never ○ Sometimes ○ Frequently

104. During the past 30 days, how many packs of cigarettes did you usually smoke in one day?

- ○ 3 or more packs
- ○ 2 or more, but less than 3 packs
- ○ 1 or more, but less than 2 packs
- ○ Less than 1 pack, but smoked
- ○ None

105. For each experience listed below, please indicate on how many days you have had this experience during the past 12 months?

(Mark one circle for each)	DAYS EXPERIENCED IN PAST 12 MONTHS						
	Every Day	5-6 Times a Week	3-4 Times a Week	1-2 Times a Week	1-3 Times a Month	Less Frequently Than Monthly	Never Happened
A. I got into a fight where I hit someone when I was using drugs	○	○	○	○	○	○	○
B. I awakened the next day unable to remember things I had done while using drugs the day before	○	○	○	○	○	○	○
C. I took a drug the first thing when I got up in the morning	○	○	○	○	○	○	○

106. **For each experience listed below, please indicate on how many days you were sick during the past 12 months because of the use or stopping the use of drugs.** (Sick means that you had symptoms such as: runny nose or eyes, flushed or sweaty, chills, nausea or vomiting, stomach cramps, diarrhea, muscle pains, etc.)

(Mark one circle for each)

	NUMBER OF SICK DAYS IN PAST 12 MONTHS				
	None	**1**	**2-7**	**8-14**	**15 or More**
A. I was sick because of using drugs					
B. I was sick because I stopped using drugs like: Heroin, other opiates, barbiturates, other downers, or tranquilizers					
C. I was sick because I stopped using drugs like: marijuana, hashish, PCP, other hallucinogens, amphetamines, cocaine, other uppers, or glue/inhalants					

107. **Do you need help for a drinking problem?**

- Yes
- No
- Don't know

108. **Do you need help with a drug problem?**

- Yes
- No
- Don't know

109. **Do any of your dependents need help for a drinking or drug problem?**

- I don't have any dependents.
- Yes, for a drinking problem
- Yes, for a drug problem
- No help needed
- Don't know

110. **Do any of your friends in the military need help for a drinking or drug problem?**

- Yes, for a drinking problem
- Yes, for a drug problem
- No help needed
- Don't know

111. **How would you compare your drinking before and after you entered the Service?**

- More before entering the Service
- About the same
- Less before entering the Service
- Did not drink before entering Service and do not drink now

112. **How would you compare your use of drugs before and after you entered the Service?**

- More before entering the Service
- About the same
- Less before entering the Service
- Did not use drugs before entering Service and do not use drugs now

113. **If you don't NOW use drugs at all for non-medical purposes, how important are each of the following reasons for your decision?**

A. I still use drugs. **(Do not answer questions B-L below)**
I do not use drugs at the present time. **(Answer questions B-L below)**

(Mark one circle for each reason below)	**Very Important**	**Some Importance**	**No Importance**
B. Parents or relatives disapprove			
C. Friends disapprove			
D. Against my religion			
E. Afraid of what it might do to my health			
F. Non-medical use of some drugs is illegal			
G. Had a bad experience with it			
H. Might interfere with my work or other activity			
I. No desire to experience effects			
J. Difficult to get drugs			
K. Too costly to use drugs			
L. Tried it but was not interested			

WE THANK YOU VERY MUCH FOR YOUR TIME, EFFORT, AND COOPERATION IN COMPLETING THIS QUESTIONNAIRE.

PLEASE PLACE QUESTIONNAIRE AND PENCIL IN THE BOX AS YOU LEAVE THE ROOM.

APPENDIX I

STANDARDIZATION OF CIVILIAN AND MILITARY POPULATIONS

STANDARDIZATION OF CIVILIAN AND MILITARY POPULATIONS

For the purpose of comparing the drug and alcohol prevalence among young adults between the ages of 18 and 25 in the military population with the drug and alcohol prevalence among the civilian young adults ages 18-25, appropriate weight factors were computed to standardize (i.e., neutralize compositional differences in) age, sex, marital status and level of education for the civilian sample. That is, weights were introduced in the civilian sample so as to make that sample correspond to the military sample with respect to the specified demographic characteristics. The computation of weight factors for the civilian data was done in the manner described below.

A multivariate matrix of marital status by level of education by sex and by age was prepared for each of the military and civilian subsample populations; each cell represented the proportion of the subsample population with a particular combination of characteristics. Marital status and level of education variables were both dichotomized. That is, "marital status," was defined as "married" and "not married" (including widowed, divorced, separated and never married categories) and "high school graduate or less" and "more than high school training or education" were defined for level of education. In general, age was in one-year units for males and two-year units for females. Categories were combined for cells in which the percentages were very small (e.g., less than .05 percent).

Based on these two matrices, the weight factors to be applied to the civilian subsample were computed using the following formula:

$$W_i = M_i/C_i$$

where W_i = Weight factor to be applied to civilians with the $_i$th combination of characteristics

M_i = Military proportion with $_i$th combination of characteristics

C_i = Civilian proportion with $_i$th combination of characteristics

The weight factor for each civilian was entered into the respondent's record on the civilian data tape. The adjusted weight was then computed by multiplying the existing weight by the weight factor for each civilian respondent and, thus, the civilian data were made comparable to the military data for this subsample population.